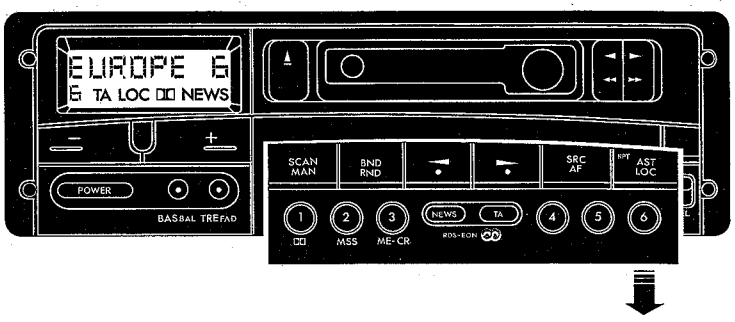
Cassette Car Radio 90DC612/00/80
90DC632/00

Service
Service
Service



Service Manual

DC612
For repair information of the Cassette deck see Service Manual of Auto Cassette Deck CDS-36PS (4822 725 24650).

DC632
For repair information of the Cassette deck see Service Manual of Auto Cassette Deck CDS-101XPF.

12 V

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4822 725 23445

PCS 77 534

PHILIPS

Technical Specifications
General

Power Supply	:	10.8 - 15.6V
Quiescent Current	:	1mA (Set switch off)
Fuse	:	10A

Radio

FM	:	87.5 - 108MHz, grid : 100kHz (manual/search)
LW	:	144 - 288kHz, grid : 1kHz (manual/search)
MW	:	531 - 1629kHz, grid : 9kHz (manual/search)
SW *)	:	5.85 - 6.25MHz, grid : 1kHz (manual/search)
IF	:	10.7MHz
Search Tuning Sensitivity	:	14 ± 4µV (AM)
	:	15 ± 5µV (FM)
Search Tuning Time	:	≤ 5 seconds (AM/FM)
α - 3dB	:	7 ± 3µV
Crosstalk	:	≥ 30dB
Signal Dependent Response	:	6 ± 1dB
Signal Dependent Stereo	:	100 - 200µV

Amplifier

Output Power (D=10%)	:	4x20W ± 1dB/4Ω
Loudness	:	Auto
Bass	:	23 ± 3dB at 60Hz
Treble	:	10 ± 2dB at 10kHz
Line out *)	:	500mV ± 2dB
Line in *)	:	100mV for 1W

Cassette Deck CDS-36PS and CDS101X (Auto Reverse)

Number of tracks	:	2 X 2
Tape speed	:	4.76 cm/sec. +3% - 1%
Wow and Flutter	:	≤ 0.3%
Fast wind	:	165 second (CDS 36PS)
	:	100 second (CDS-101XPF)

*) Applicable only for DC632 (see table)

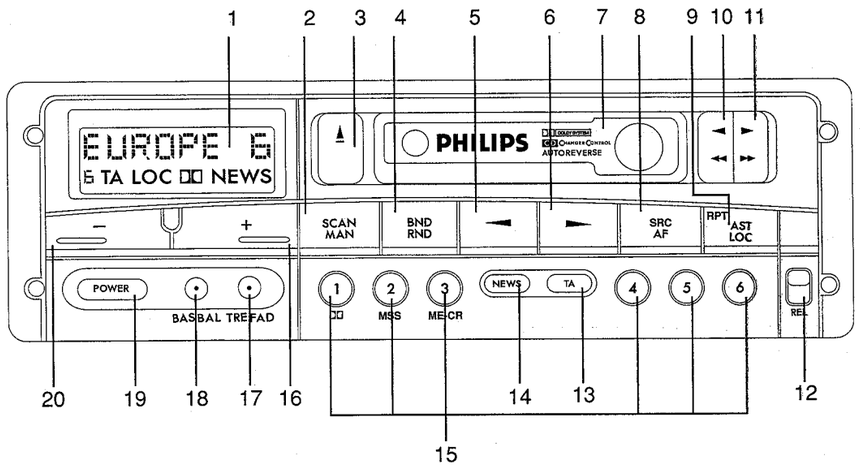
ESD

WARNING

All IC's and many semiconductors are susceptible to electronic discharges (ESD). Careless handling during repair can reduce life drastically.

When repairing, make sure that you care connected to the same potential as the mass of the set via a wrist wrap with resistance. Keep components and tools also at this potential.

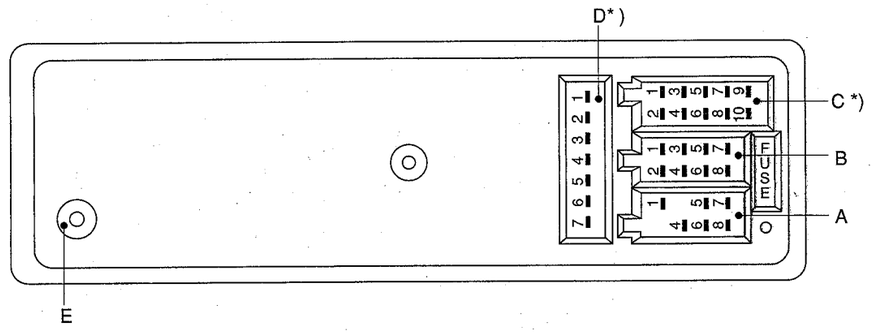
Version	DC612	DC632
CDCC CD CHANGER CONTROL		✓
DOLBY B		✓
MSS MUSIC SEARCH SYSTEM		✓
MeCr METAL CHROME		✓



Controls

1	Liquid crystal Display	1704
2	Scan / Manual	1063
3	Eject	
4	Band / Random *)	1062
5	Search Down / Previous *)	1050
6	Search Up / next *)	1061
7	Cassette Compartment	
8	SRC *) / Alternate Frequencies	1056
9	RPT/AST / Local	1060
10	FRW / FFW	
11	FFW / FRW	
12	Release Knob	
13	Mute / TA *)	1057
14	Loud	1054
15	Preset Button 1-6	
	P1 - Dolby B *)	
	P2 - Music Search System *)	
	P3 - Metal Chrome *)	
16	+ Volume Up	1064
17	Treble / Fader	1067
18	Bass/ Balance	1066
19	Power on/off	1068
20	– Volume Down	1065

*) Only applicable for DC632 (see table)



Connections

A1	:	Telephone Mute	B1	:	Rear Right +	C1	:	D²B GND	D1	:	Remote Plus
A4	:	Permanent Plus	B2	:	Rear Right Return -	C2	:	D²B+	D2	:	Booster Detect
A5	:	Auto Antenna	B3	:	Front Right +	C3	:	D²B-	D3	:	Line-out GND
A6	:	External Illumination Plus	B4	:	Front Right Return -	C4	:	N.C.	D4	:	Line-out FR
A7	:	Ignition on-off	B5	:	Front Left +	C5	:	CDCC Supply	D5	:	Line-out RR
A8	:	Power GND	B6	:	Front Left Return -	C6	:	GND	D6	:	Line-out FL
			B7	:	Rear Left +	C7	:	Switched +	D7	:	Line-out RL
			B8	:	Rear Left Return -	C8	:	Line-In Right			
						C9	:	Line-in Left	E	:	Aerial Connection
						C10	:	Line-in Gnd			

*) Block C and D only applicable for DC632 (see table)

Service Hints

Detachable Keyboard Unit

The Detachable Keyboard unit is part of the Car Radio. Hence it is necessary that the customer always bring the complete set (with detachable keyboard unit) when service is needed. This statement was also printed in the Instruction For Use.

Software

The software of the set is split into two parts: one in the main uP (item 7700) and the other in the 2nd uP (item 7702). Make sure that when changing uP, both the main and 2nd uP are software compatible.

Software compatibility can be verified by reading the 'checksum' of the main uP and 2nd uP. Please refer to the table below for information on the software release status of DC612/DC632.

DC612/DC632 Software Release Status

Item	7700 CE558	7702 C528
SW Release	R 2.0	R 2.0
Marking on IC	F4+AS-R2.0	F4+AS-R2.0
Description	P83CE558EFB/034	P83C528FFB/109
Checksum	4297	96B8
Service Code	4822 209 90075	4822 209 90074

A table stating the different checksum related to the software release and compatibility will also be issued regularly in service newsletters in case of changes.

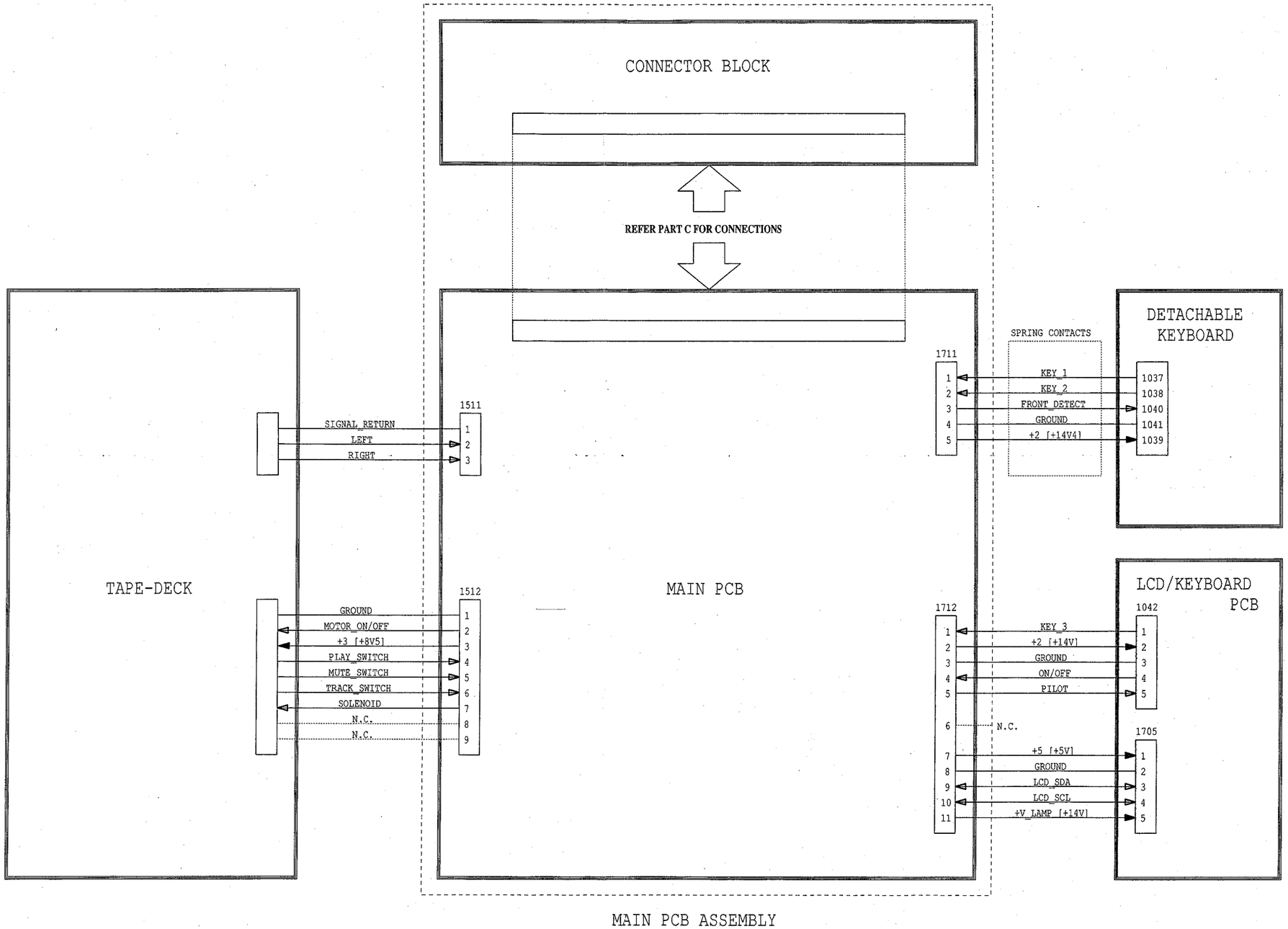
To read the 'checksum' of microprocessor

Power on the set, press simultaneously the preset 1 and preset 6 keys. Two 4 digits number appear on the display :
first 4 digits : checksum of the main uP
second 4 digits : checksum of the 2nd uP
Set goes back to the normal mode after about 5 seconds. Power off and on will also reset the set to the normal mode.

General

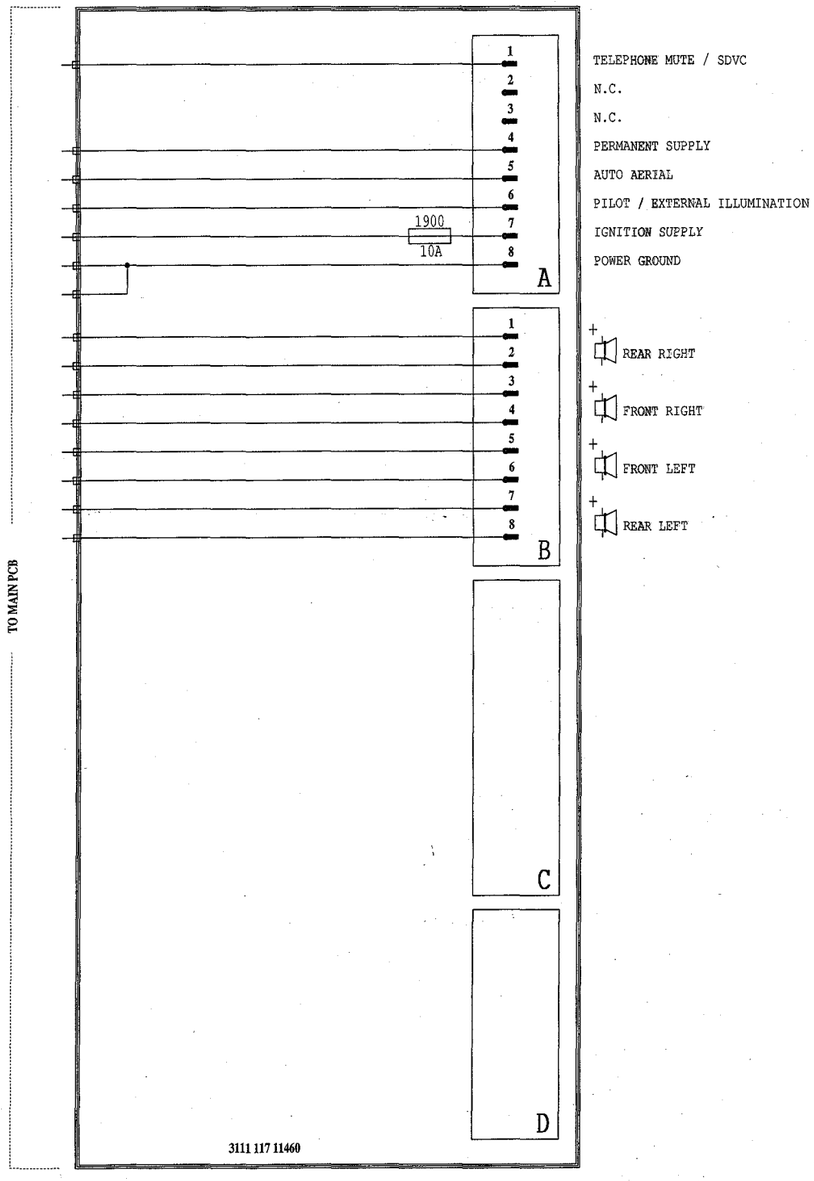
For more information about the RDS-feature use the computerbased training course RDS, which is available at Philips Consumer Service. Contact Philips Consumer Service
I.S.C. Training
Building SBP6
P.O. Box 218
5600 MD Eindhoven
The Netherlands
Tel : 31-40-736294
Fax : 31-40-733553
Telex : NLMEVAB

PART B : WIRING DIAGRAM



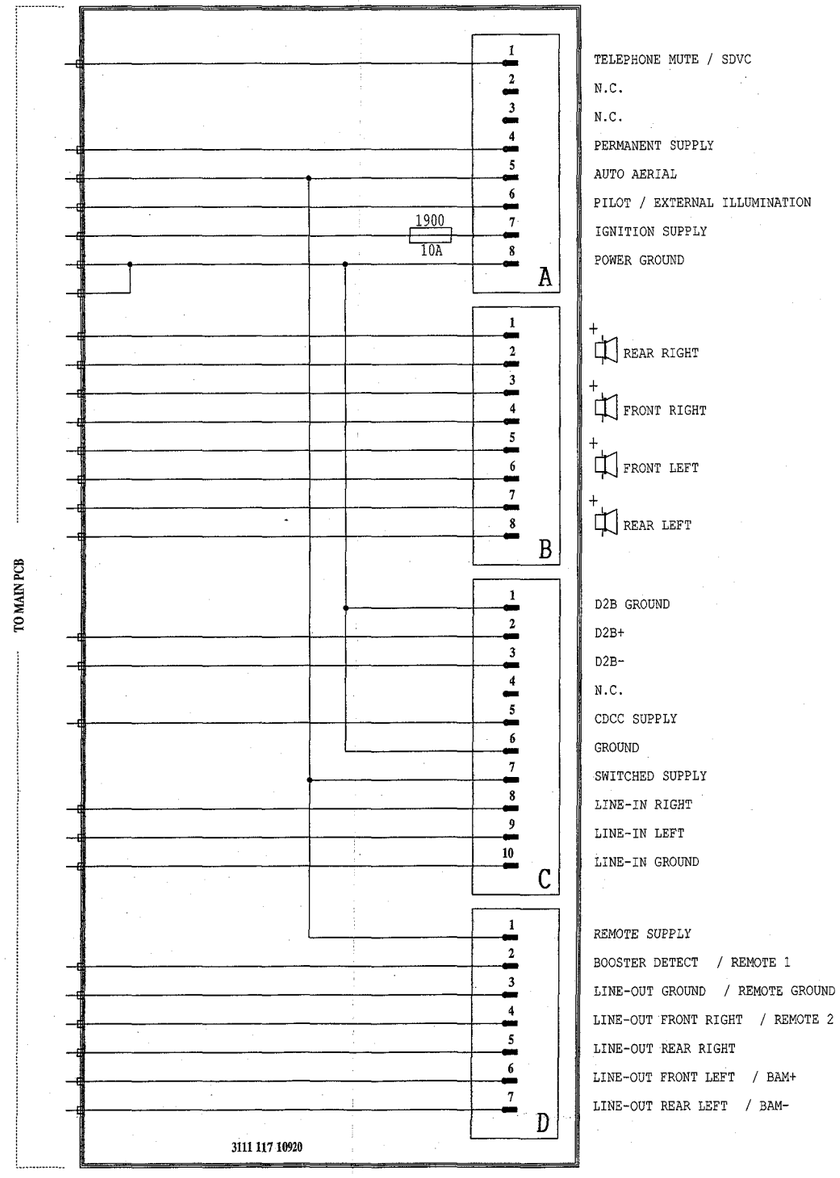
PART C : CONNECTOR BLOCK

4X20W CONNECTOR BLOCK



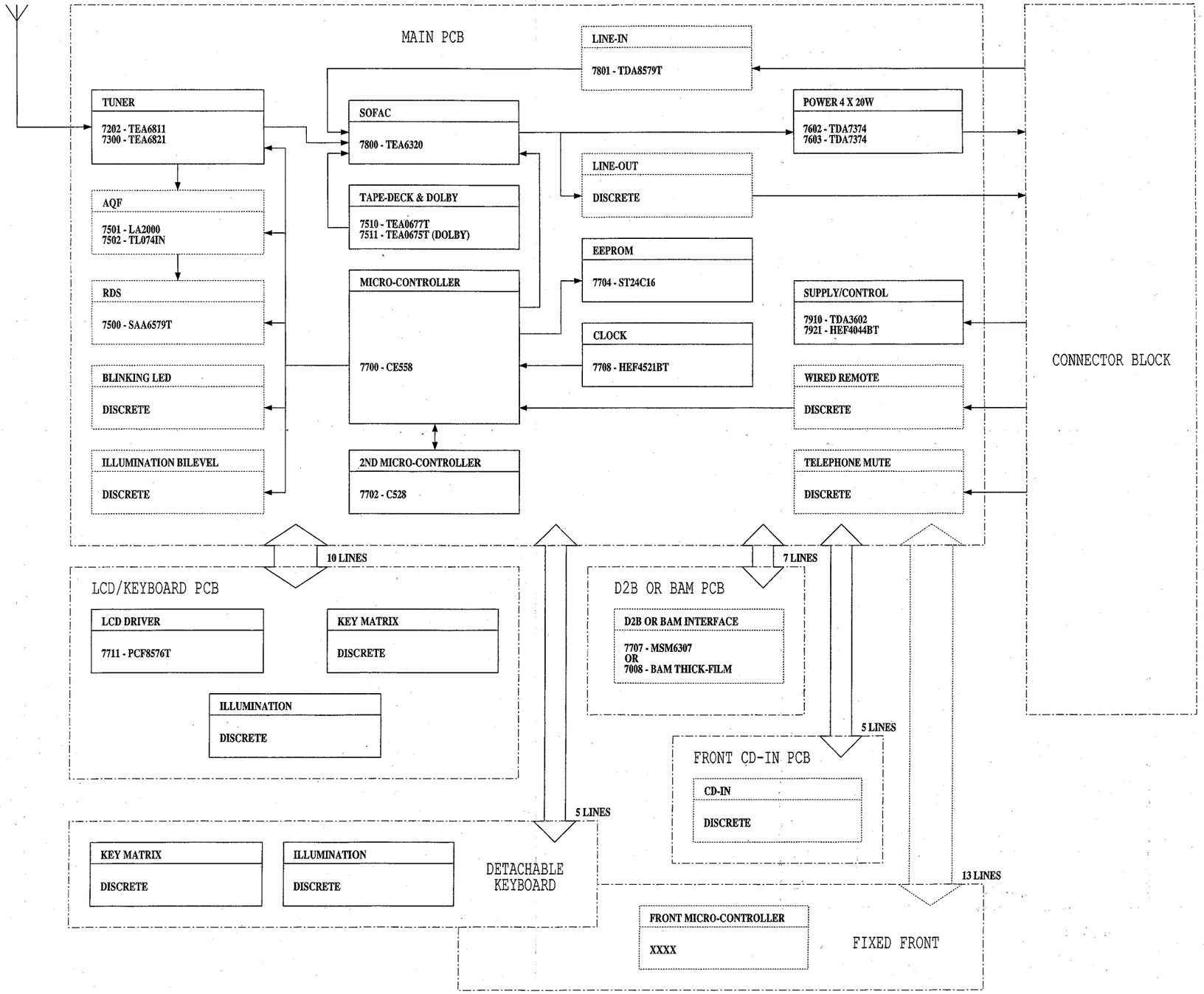
FOR DC612/00, DC612/80

4X20W CONNECTOR BLOCK



FOR DC632/00

PART A : ELECTRICAL ARCHITECTURE



4405

PART 1 : TUNER IC91 (MAIN PCB)

*	WITH SHORT-WAVE	W/OUT SHOI
2211	AS SHOWN	270
2227	AS SHOWN	180
2233	INSERT	DEL
5202	AS SHOWN	68
5205	INSERT	DEL
9205	DELETE	INSI

#	FAMAR	OTHER VERSIONS
3206	220R	AS SHOWN
5211	10u	AS SHOWN
5212	33u	AS SHOWN

4405

*	WITH SHORT-WAVE	W/OUT SHORT-WAVE
2211	AS SHOWN	270p
2227	AS SHOWN	180p
2233	INSERT	DELETE
5202	AS SHOWN	68u
5205	INSERT	DELETE
9205	DELETE	INSERT

VERSIONS
SHOWN
SHOWN
SHOWN

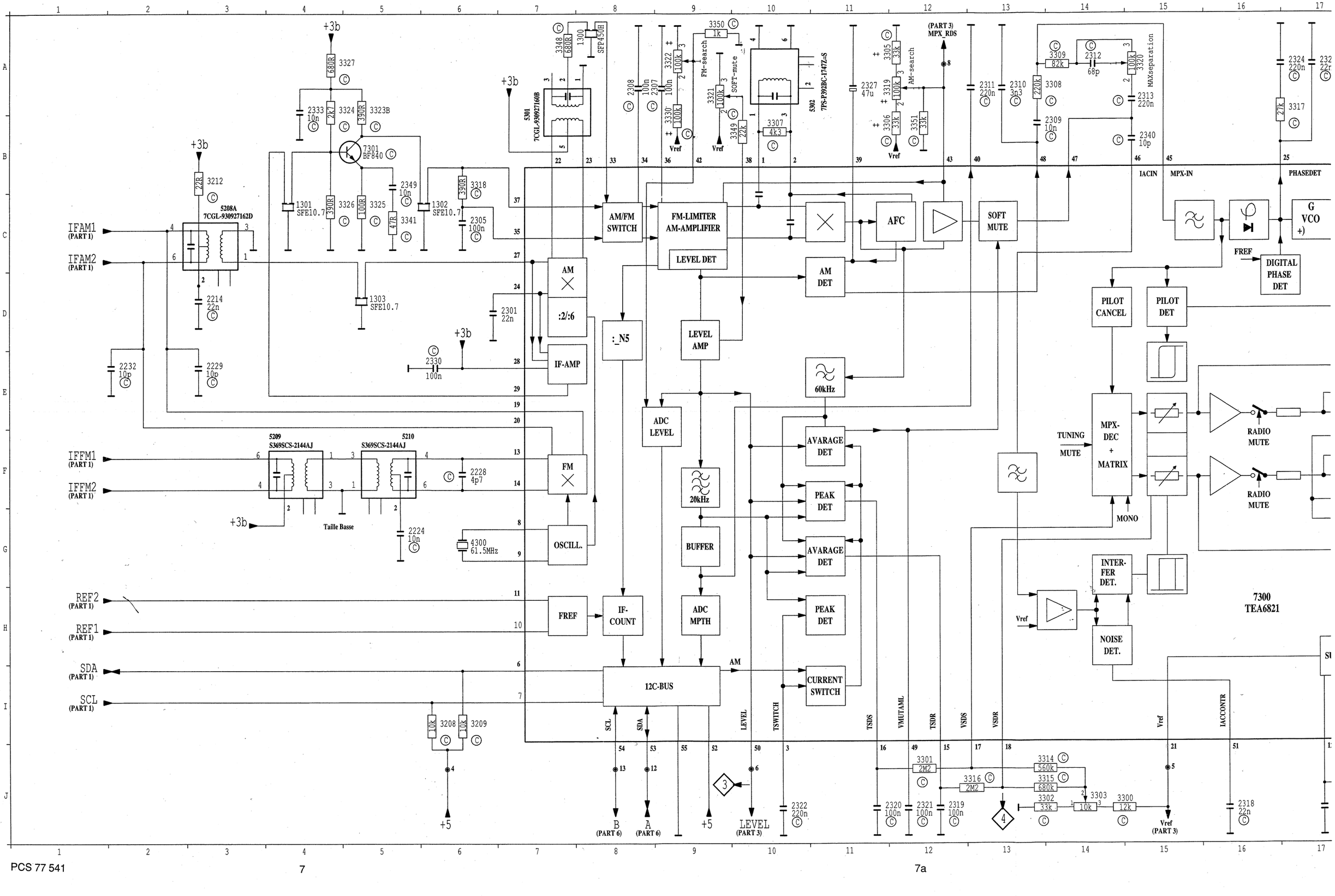
OPTION : SHORT-WAVE

AM-RF
AM
FM
AM/FM OSCILL.
CHARGE PUMP
BAND-GAP
BUFFER
PROGR. DIVIDER :_N1
PIN DIODE DRIVE
BUFFER
PHASE DET
BUS CONTROL
LOCK DET
:_N2
7202 TEA6811

IFAM1 (PART 2)
IFAM2 (PART 2)
IFFM1 (PART 2)
IFFM2 (PART 2)
REF2 (PART 2)
REF1 (PART 2)
SDA (PART 2)
SCL (PART 2)
LOCK_DET (PART 6)

1001	A 2
2002	C 1
2003	C 3
2010	E 5
2016	D 2
2100	F 2
2102	F 3
2104	G 6
2105	G 5
2106	E 3
2121	G 7
2200	G11
2201	J 7
2202	I 7
2203	H 7
2204	H 7
2205	J 8
2206	B 5
2207	E 8
2208	C 8
2209	B 8
2210	B 8
2211	A 8
2212	A 9
2213	A11
2215	J11
2217	J12
2218	C 8
2219	C 8
2220	A11
2221	H 6
2223	B 3
2226	H 6
2227	A 8
2230	A 5
2231	A 5
2233	A 7
2249	H 8
2272	G 8
2273	G 8
3003	E 4
3101	G 3
3102	E 4
3103	E 3
3104	E 8
3105	F 4
3106	E 8
3107	F 4
3108	G 4
3110	F 6
3200	J 7
3201	I 5
3202	I 8
3203	A 6
3204	A 6
3205	C 5
3206	B 4
3207	I 4
3210	C 2
3211	A 4
3213	A10
3270	E 7
3290	D 8
3292	G 8
5100	F 2
5200	A 5
5201	H 7
5202	A 8
5203	A10
5205	A 7
5206	C 5
5207	E 5
5211	B 4
5212	B 3
6100	H 2
6102	F 3
6200	C 5
7100	F 4
7200	H 5
7201	B 6
7202	D10
9200	I 2
9201	I 2
9202	I 2
9203	J 2
9204	J 2
9205	A 7
9207	J12

PART 2 : TUNER IC91 (MAIN PCB)



++ ITEM NOT USED - PROVISION IN PCB LAYOUT ONLY

(PART 3) MPX_RDS

7PS-P392BC-1747Z-S

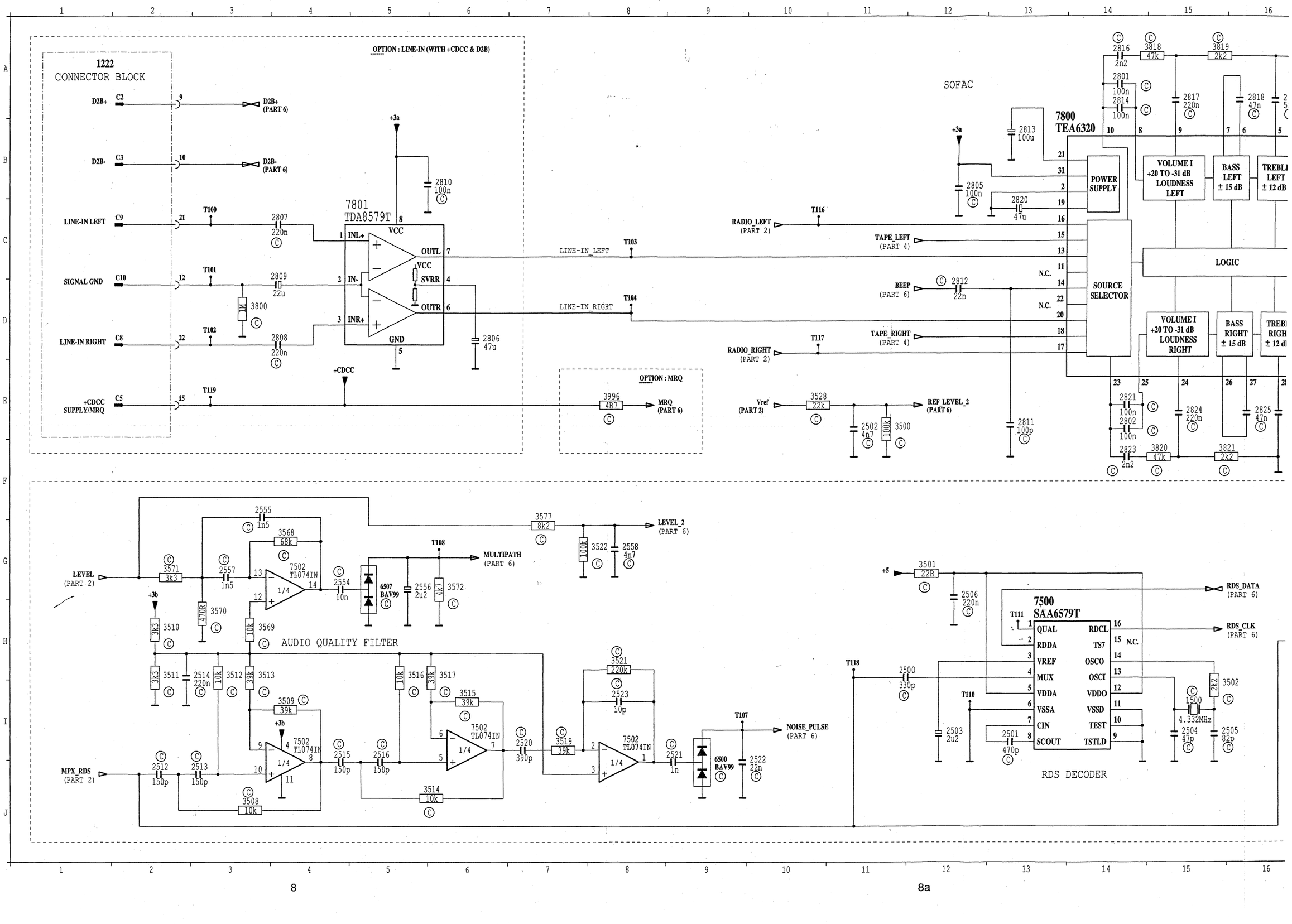
AM/FM SWITCH
FM-LIMITER AM-AMPLIFIER
LEVEL DET
AFC
SOFT MUTE
AM DET
LEVEL AMP
60kHz
ADC LEVEL
AVARAGE DET
20kHz
PEAK DET
BUFFER
AVARAGE DET
ADC MPTH
PEAK DET
IF-COUNT
12C-BUS
CURRENT SWITCH
AM
PILOT CANCEL
PILOT DET
MPX-DEC + MATRIX
TUNING
MUTE
MONO
INTER-FER DET.
NOISE DET.
Vref
FREF
DIGITAL PHASE DET
G VCO +)
LOGIC BLOCK
19kHz
38kHz
RADIO MUTE
RADIO MUTE
SUPPLY
7300
TEA6821
IACIN
MPX-IN
PHASEDET
PILDET
DEEMPHL
AFGND
DEEMPHR
RADIO_RIGHT (PART 3)
RADIO_LEFT (PART 3)
+3b
+5
LEVEL (PART 3)
Vref (PART 3)
A (PART 6)
B (PART 6)
SCL
SDA
LEVEL
TSWITCH
TSDS
VMUTAML
TSDR
VSDS
VSDR
Vref
IACCONTR

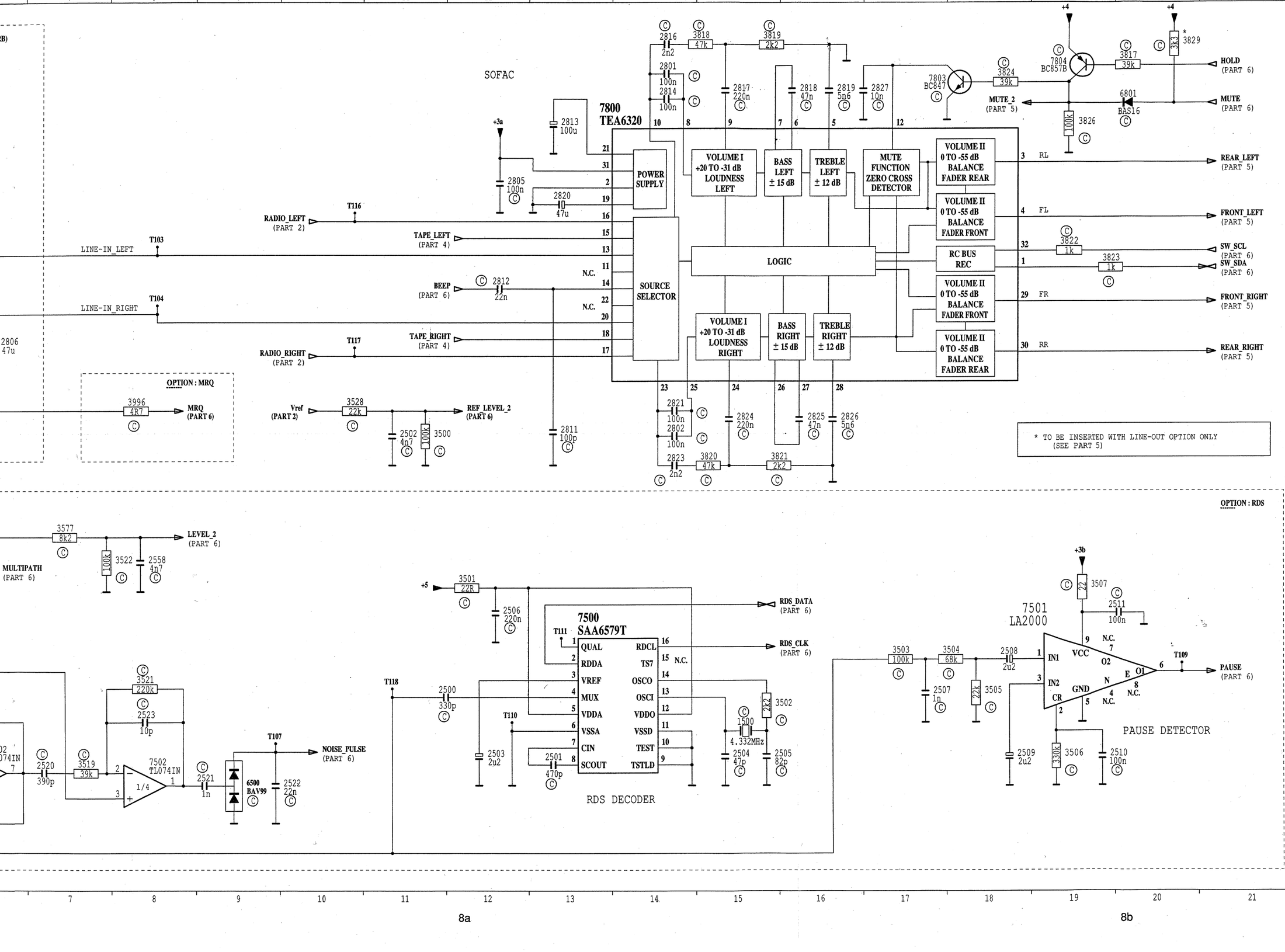
1300	A 8
1301	C 4
1302	C 6
1303	D 5
2214	D 3
2224	G 5
2228	F 6
2229	E 3
2232	E 2
2300	J17
2301	D 7
2302	I19
2305	C 6
2306	H19
2307	A 9
2308	A 6
2309	B14
2310	A13
2311	A13
2312	A14
2313	A15
2314	E19
2315	D19
2316	G19
2317	G19
2318	J16
2319	J12
2320	J12
2321	J12
2322	J10
2324	A17
2325	A17
2327	A11
2328	I19
2330	E 6
2332	H19
2333	A 4
2340	B15
2349	B 5
3208	I 6
3209	I 6
3212	B 3
3300	J15
3301	J12
3302	J14
3303	J14
3305	A12
3306	B12
3307	B10
3308	A14
3309	A14
3310	D19
3313	J18
3314	J14
3315	J14
3316	J13
3317	A17
3318	B 6
3319	A11
3320	A15
3321	A 9
3322	A 9
3323B	A 5
3324	A 5
3325	C 5
3326	C 5
3327	A 5
3330	B 9
3341	C 5
3348	A 7
3349	B10
3350	A 9
3351	B12
4300	G 6
5208A	C 3
5209	F 4
5210	F 5
5301	B 7
5302	A11
7300	H16
7301	B 5

7a

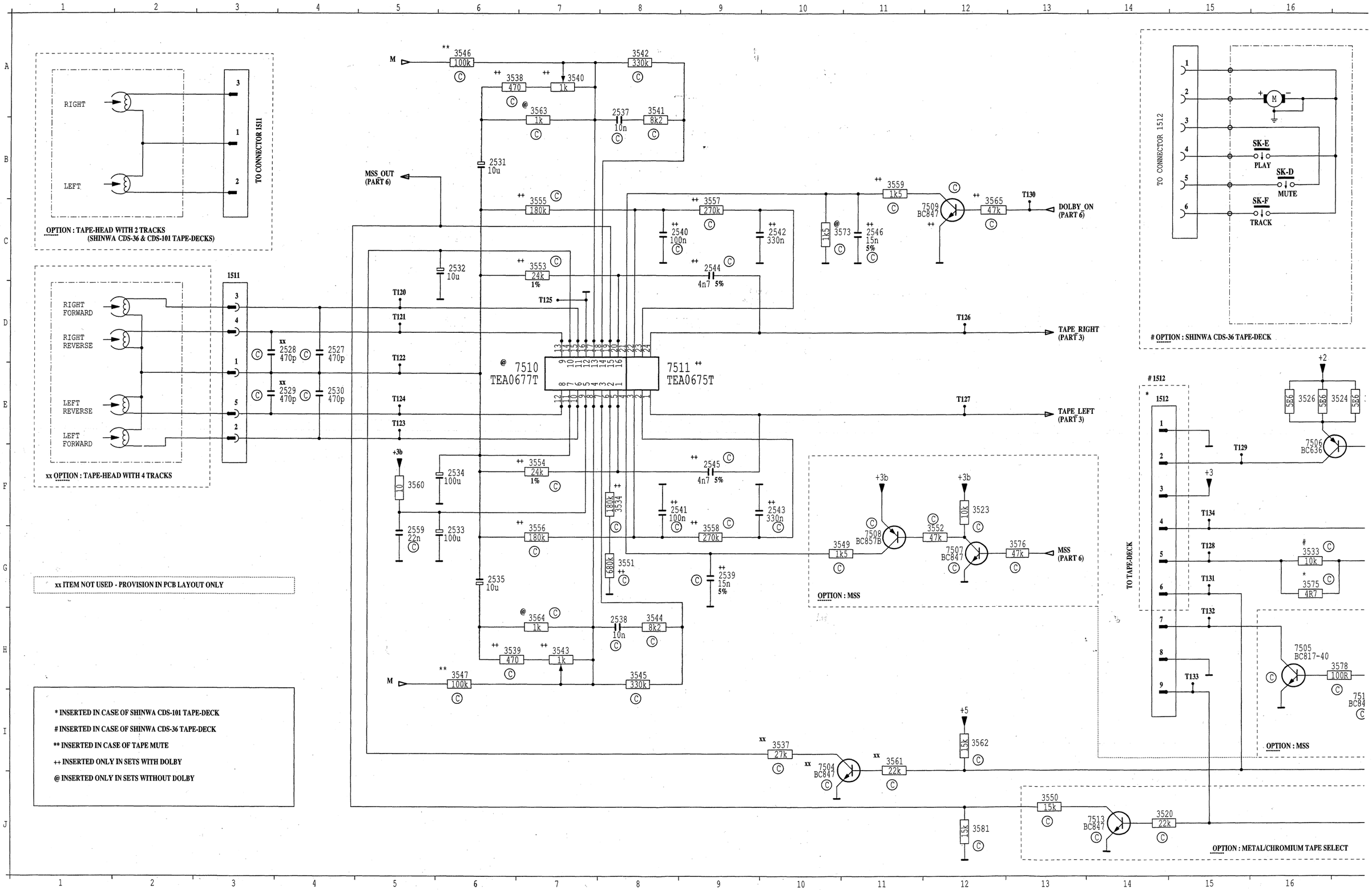
7b

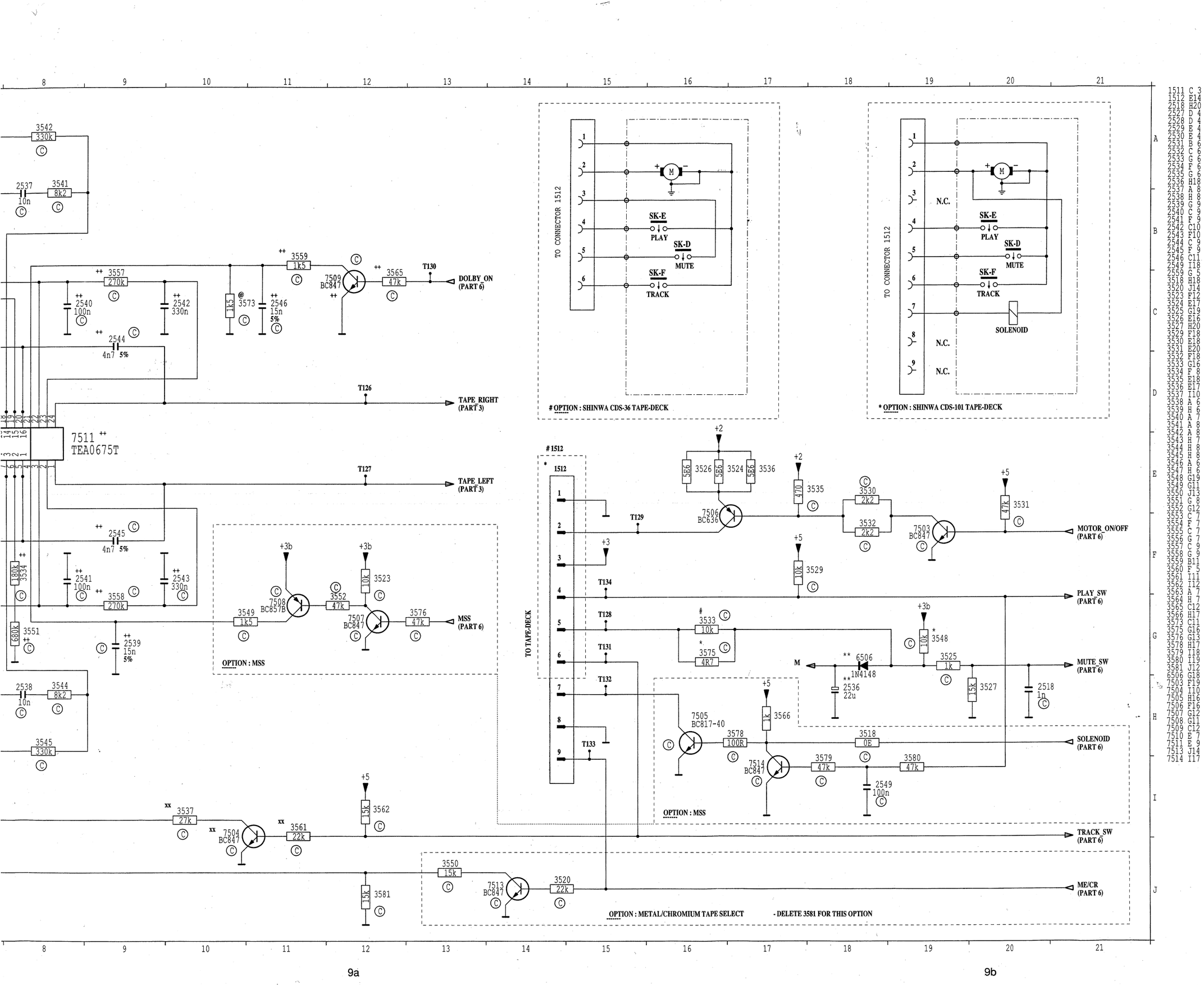
PART 3 : RDS, SOFAC & LINE-IN INTERFACE (MAIN PCB)




7800
TEA6320
SOFAC
POWER SUPPLY
SOURCE SELECTOR
LOGIC
VOLUME I +20 TO -31 dB LOUDNESS LEFT
VOLUME I +20 TO -31 dB LOUDNESS RIGHT
BASS LEFT ± 15 dB
BASS RIGHT ± 15 dB
TREBLE LEFT ± 12 dB
TREBLE RIGHT ± 12 dB
MUTE FUNCTION ZERO CROSS DETECTOR
VOLUME II 0 TO -55 dB BALANCE FADER REAR
VOLUME II 0 TO -55 dB BALANCE FADER FRONT
RC BUS REC
RADIO_LEFT (PART 2)
TAPE_LEFT (PART 4)
LINE-IN_LEFT
BEEP (PART 6)
LINE-IN_RIGHT
TAPE_RIGHT (PART 4)
RADIO_RIGHT (PART 2)
N.C.
HOLD (PART 6)
MUTE (PART 6)
MUTE_2 (PART 5)
REAR_LEFT (PART 5)
FRONT_LEFT (PART 5)
SW_SCL (PART 6)
SW_SDA (PART 6)
FRONT_RIGHT (PART 5)
REAR_RIGHT (PART 5)
OPTION : MRQ
MRQ (PART 6)
Vref (PART 2)
REF_LEVEL_2 (PART 6)
* TO BE INSERTED WITH LINE-OUT OPTION ONLY (SEE PART 5)
OPTION : RDS
LEVEL_2 (PART 6)
MULTIPATH (PART 6)
NOISE_PULSE (PART 6)
7500
SAA6579T
RDS DECODER
RDS_DATA (PART 6)
RDS_CLK (PART 6)
7501
LA2000
PAUSE DETECTOR
PAUSE (PART 6)
7502
TL074IN
6500
BAV99

PART 4 : CASSETTE PREAMP (MAIN PCB)



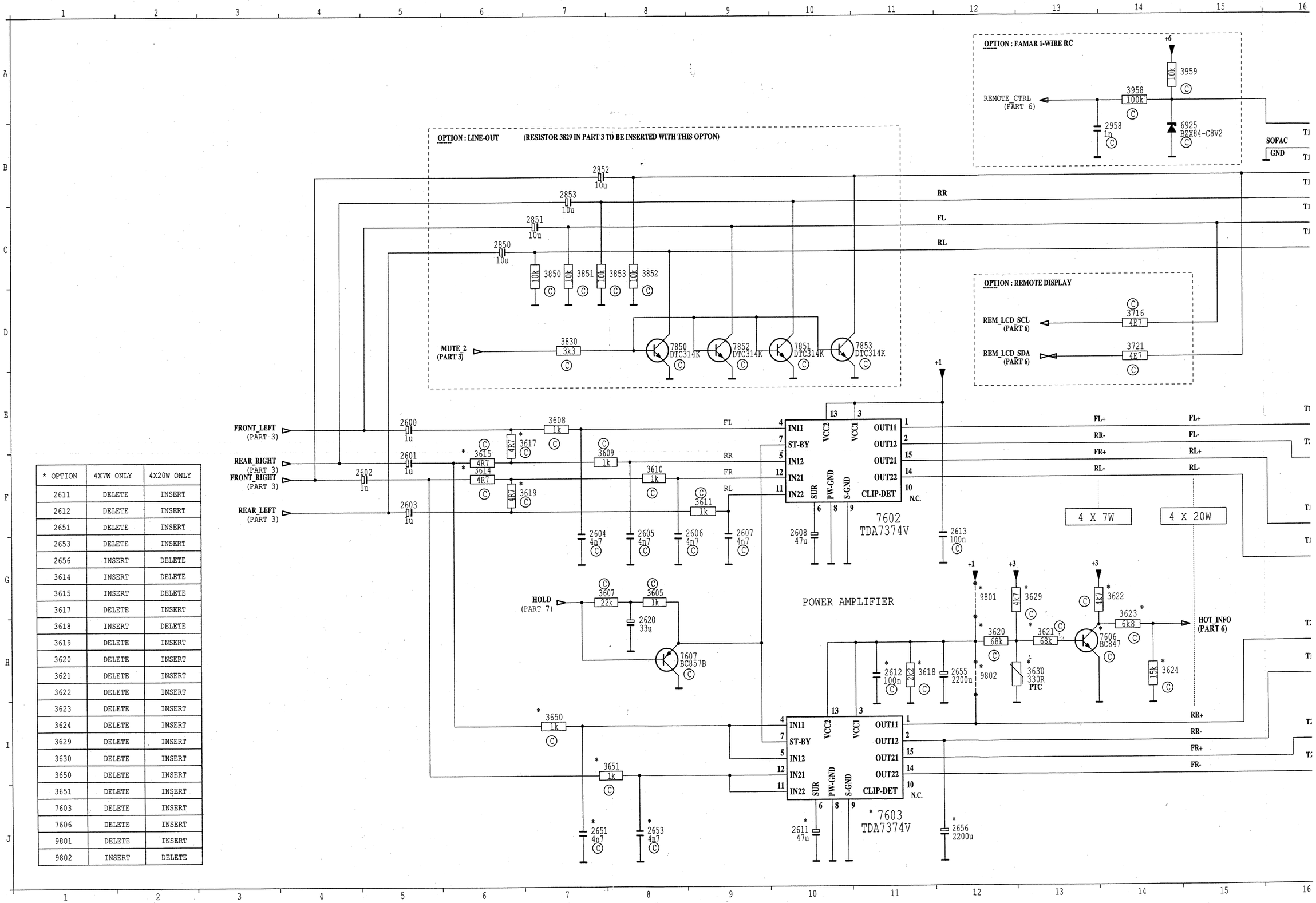


1511 C 3
1512 E14
2518 H20
2527 D 4
2528 D 4
2529 E 4
2530 E 4
2531 B 6
2532 C 6
2533 G 6
2534 F 6
2535 G 6
2536 H18
2537 A 8
2538 H 8
2539 G 9
2540 C 9
2541 F 9
2542 C10
2543 F10
2544 C 9
2545 F 9
2546 C11
2549 I18
2559 G 5
3518 H18
3520 J14
3523 F12
3524 E17
3525 G19
3526 E16
3527 H20
3529 F18
3530 E18
3531 E20
3532 F18
3533 G16
3534 F 8
3535 E18
3536 E17
3537 I10
3538 A 6
3539 H 6
3540 A 7
3541 A 8
3542 A 9
3543 H 7
3544 H 8
3545 H 8
3546 A 6
3547 H 6
3548 G19
3549 G11
3550 J13
3551 G 8
3552 G12
3553 C 7
3554 F 7
3555 C 7
3556 G 7
3557 C 9
3558 G 9
3559 B11
3560 F 5
3561 I11
3562 I12
3563 A 7
3564 H 7
3565 C12
3566 H17
3573 C11
3575 G16
3576 G13
3578 H17
3579 I18
3580 I19
3581 J12
6506 G18
7503 F19
7504 I10
7505 H16
7506 F16
7507 G12
7508 G11
7509 C12
7510 E 7
7511 E 9
7513 J14
7514 I17

9a

9b

PART 5 : POWER AMPLIFIER, LINE-OUT & RC INTERFACE (MAIN PCB)



* OPTION	4X7W ONLY	4X20W ONLY
2611	DELETE	INSERT
2612	DELETE	INSERT
2651	DELETE	INSERT
2653	DELETE	INSERT
2656	INSERT	DELETE
3614	INSERT	DELETE
3615	INSERT	DELETE
3617	DELETE	INSERT
3618	INSERT	DELETE
3619	DELETE	INSERT
3620	DELETE	INSERT
3621	DELETE	INSERT
3622	DELETE	INSERT
3623	DELETE	INSERT
3624	DELETE	INSERT
3629	DELETE	INSERT
3630	DELETE	INSERT
3650	DELETE	INSERT
3651	DELETE	INSERT
7603	DELETE	INSERT
7606	DELETE	INSERT
9801	DELETE	INSERT
9802	INSERT	DELETE

OPTION : FAMAR 1-WIRE RC

+6

3959 10k C

REMOTE_CTRL (PART 6)

3958 100k C

2958 1n C

6925 BZX84-C8V2 C

(RESISTOR 3829 IN PART 3 TO BE INSERTED WITH THIS OPTON)

2852 10u

2853 10u

2851 10u

RR

FL

RL

3850 10k C

3851 10k C

3853 10k C

3852 10k C

3830 3k3 C

7850 DTC314K C

7852 DTC314K C

7851 DTC314K C

7853 DTC314K C

OPTION : REMOTE DISPLAY

REM_LCD_SCL (PART 6)

3716 4E7 C

REM_LCD_SDA (PART 6)

3721 4E7 C

1222 CONNECTOR BLOCK

A5 D1 +14V4 RETURN

D2 1-WIRE RC

SOFAC T148 11 D3 SIGNAL GND

GND T140 24 D4 FRONT RIGHT /REMOTE SDA

T141 26 D5 REAR RIGHT

T142 27 D6 FRONT LEFT /REMOTE SCL

T143 25 D7 REAR LEFT

D8 GND

23

+1

3608 1k C

3617 4R7 C

3609 1k C

3610 1k C

3619 4R7 C

3611 1k C

FL

RR

FR

RL

4 IN11 VCC2 VCC1 OUT11 1

7 ST-BY OUT12 2

5 IN12 OUT21 15

12 IN21 OUT22 14

11 IN22 SUR PW-GND S-GND CLIP-DET 10 N.C.

13 3

6 8 9

7602 TDA7374V

2604 4n7 C

2605 4n7 C

2606 4n7 C

2607 4n7 C

2608 47u

2613 100n C

FL+ FL+

RR- FL-

FR+ RL+

RL- RL-

T136 4 B5 + 20W FRONT LEFT

T203 20 B6

T137 19 B7 + 20W REAR LEFT

T138 18 B8

4 X 7W

4 X 20W

HOLD (PART 7)

3607 22k C

3605 1k C

2620 33u

7607 BC857B C

POWER AMPLIFIER

+1 9801 3620 68k C

+3 4k7 3629 3621 68k C

+3 4k7 3622 C

3623 6k8

7606 BC847 C

HOT_INFO (PART 6)

2612 100n C

2k2 3618 C

2655 2200u

9802

3630 330R PTC

15k 3624 C

T200 6 B1 + 20W REAR RIGHT

T135 8 B2

T201 5 B3 + 20W FRONT RIGHT

T202 7 B4

RR+

RR-

FR+

FR-

1222 CONNECTOR BLOCK

OPTION : 4 X 20W ONLY

FOR AFTER-SALES VERSIONS

3650 1k C

3651 1k C

2651 4n7 C

2653 4n7 C

2611 47u

* 7603 TDA7374V

2656 2200u

4 B5 + 7W FRONT LEFT

20 B6

19 B7 + 7W REAR LEFT

18 B8

1222 CONNECTOR BLOCK

6 B1 + 7W REAR RIGHT

8 B2

5 B3 + 7W FRONT RIGHT

7 B4

OPTION : 4X7W ONLY

FOR OEM VERSIONS

1222 G17
1222 A17
2600 E 5
2601 F 5
2602 F 5
2603 F 5
2604 G 7
2605 G 8
2606 G 9
2607 G 9
2608 G10
2611 J10
2612 H11
2613 G12
2620 H 8
2651 J 7
2653 J 8
2655 H12
2656 J12
2850 C 6
2851 C 7
2852 B 7
2853 B 7
2958 B14
3605 G 8
3607 G 8
3608 E 7
3609 F 8
3610 F 8
3611 F 9
3614 F 6
3615 F 6
3617 E 7
3618 H11
3619 F 7
3620 H12
3621 H13
3622 G14
3623 H14
3624 H14
3629 G13
3630 H13
3650 I 7
3651 I 8
3716 D14
3721 D14
3830 D 7
3850 C 7
3851 C 7
3852 C 8
3853 C 8
3958 A14
3959 A15
6925 B15
7602 F11
7603 J11
7606 H14
7607 H 8
7850 D 8
7851 D10
7852 D 9
7853 D11
9801 G12
9802 H12

10a

10b

PCS 77 544

PART 6 : MAIN & 2ND MICRO-CONTROLLERS, EEPROM & CLOCK CIRCUIT (MAIN PCB)

EEPROM

7704
ST24C16CB6

OPTION : D2B CONNECTOR

TO D2B PCB (PART 10)

* REMOTE I2C FOR OEM ONLY

7700
CE558

MAIN MICRO-CONTROLLER

BLINKING LED

CLOCK CIRCUIT

7708
HEF4521BT

7702
C528

2ND MICRO-CONTROLLER

BLINKING LED

7700
CE558

2ND MICRO-CONTROLLER

7702
C528

OPTION : FIXED FRONT

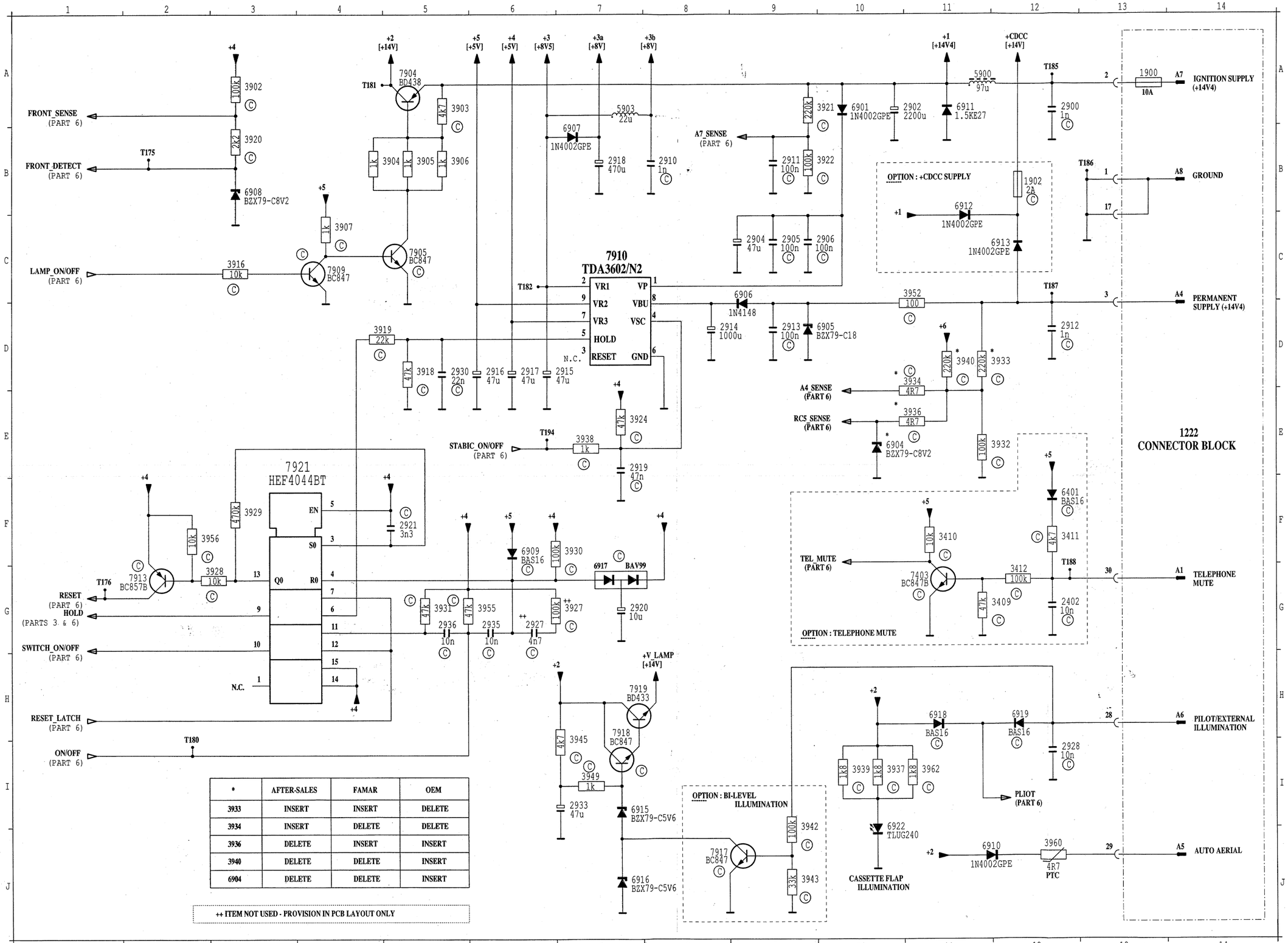
SPRING CONTACTS TO DETACHABLE KEYBOARD (PART 9)

TO AUDIO CONTROL PCB (PART 8)

TO LCD DRIVER PCB (PART 8)

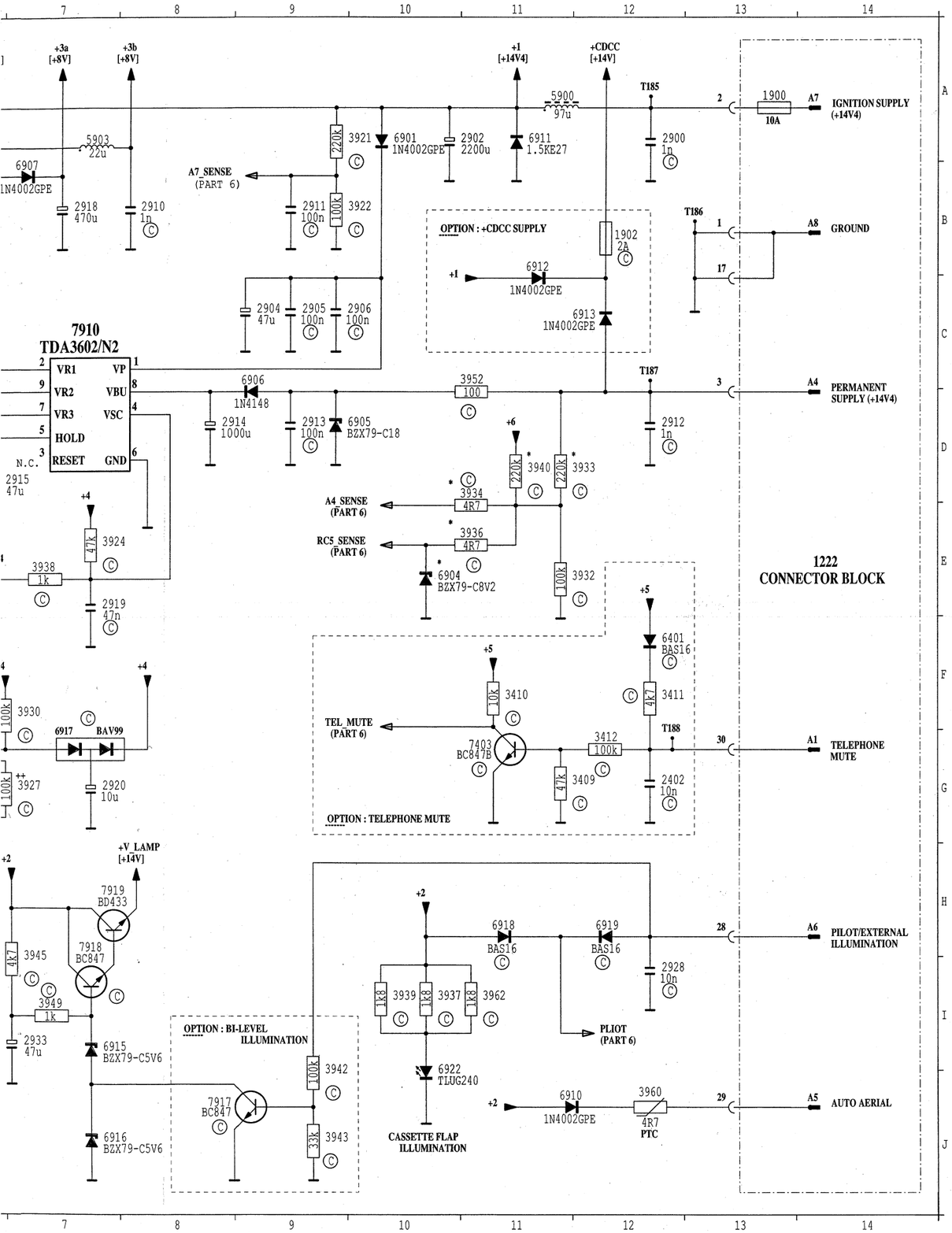
11a

11b



*	AFTER-SALES	FAMAR	OEM
3933	INSERT	INSERT	DELETE
3934	INSERT	DELETE	DELETE
3936	DELETE	INSERT	INSERT
3940	DELETE	DELETE	INSERT
6904	DELETE	DELETE	INSERT

1222 E14
1902 B12
2402 G12
2900 A12
2902 A11
2904 C 9
2905 C 9
2906 C10
2910 B 8
2911 B 9
2912 D12
2913 D 9
2914 D 9
2915 D 7
2916 D 6
2917 D 6
2918 B 7
2919 E 7
2920 G 7
2921 G 5
2927 G 6
2928 I12
2930 D 5
2933 I 7
2935 G 6
2936 G 5
3409 G12
3410 F11
3411 F12
3412 G12
3902 A 3
3903 A 5
3904 B 5
3905 B 5
3906 B 5
3907 C 4
3916 C 3
3918 D 5
3919 D 5
3920 B 3
3921 A10
3922 B10
3924 E 7
3927 G 7
3928 G 3
3929 F 3
3930 E 7
3931 G 5
3932 D12
3933 D12
3934 D11
3936 E11
3937 I10
3938 E 7
3939 I10
3940 D11
3942 J 9
3943 J 9
3945 I 7
3949 I 7
3952 C11
3955 G 6
3956 F 3
3960 J12
3962 I11
5900 A11
5903 A 7
6401 F12
6901 A10
6904 E10
6905 D10
6906 C 9
6907 B 7
6908 B 3
6909 F 6
6910 J11
6911 A11
6912 B11
6913 C12
6915 I 7
6916 J 7
6917 G 7
6918 H11
6919 H12
6922 J10
7403 G11
7904 A 5
7905 C 5
7909 C 4
7910 C 7
7913 G 2
7917 J 8
7918 H 7
7919 H 8
7921 E 3



7202 TEA6811

1	0V
2	5V
3	5V
4	5V
5	5V
6	0.24Vp-p 5VDC
7	0.24Vp-p 5VDC
8	0V
9	5V
10	0V
11	8.5V
12	8.5V
13	8.5V
14	0V
15	8.5V
16	8.5V
17	0V
18	0V
19	0V
20	0V
21	0V
22	0V
23	0V
24	0V
25	0V
26	0V
27	0V
28	0V
29	0V
30	3.1V
31	3.1V
32	0V
33	4.3V
34	4.2V
35	2.6V
36	0V
37	6.1V
38	8.2V
39	3.6V
40	3.5V

7921 HEF4044BT

1	N.C.
2	N.C.
3	3.5V
4	4.8V
5	5V
6	3.8V
7	5V
8	0V
9	5V
10	0V
11	5V
12	5V
13	5V
14	5V
15	5V
16	5V

7300 TEA6821

1	4V
2	4V
3	1V
4	0V
5	5V
6	5V
7	5V
8	4V
9	4V
10	0.24Vp-p 5VDC
11	0.24Vp-p 5VDC
12	5V
13	2.2V
14	2.2V
15	4.5V
16	4.5V
17	2.5V
18	2.5V
19	8.5V
20	8.5V
21	5V
22	8.5V
23	8.5V
24	4V
25	5V
26	3.6V
27	3V
28	8.5V
29	6V
30	1.8V
31	2.3V
32	2.3V
33	0.7V
34	1V
35	2.8V
36	2.8V
37	2.8V
38	2.6V
39	3.2V
40	0.6V
41	RL
42	0V
43	Audio signal
44	RR
45	2.9V
46	0V
47	Audio signal
48	5V
49	5V
50	4.5V
51	6V
52	5V
53	0-5Vp-p
54	0-5Vp-p
55	0V
56	8.5V

7500 SAA6579T

1	SQ Wave 5Vp-p
2	SQ Wave 5Vp-p
3	2.5V
4	Audio signal
5	5V
6	0V
7	Audio signal
8	Audio signal
9	0V
10	0V
11	0V
12	5V
13	sine Wave 0.6Vp-p
14	sine Wave 3.2Vp-p
15	N.C.
16	SQ Wave 5Vp-p

7501 LA2000

1	1.83V
2	8V
3	2.1V
4	N.C.
5	0V
6	5V
7	N.C.
8	N.C.
9	8.5V

7502 TL074

1	Audio signal 4.3VDC
2	4.3V
3	4.3V
4	5V
5	4.3V
6	4.3V
7	Audio signal 4.3VDC
8	Audio signal 4.3VDC
9	SAW Wave 1.8Vp-p 3.5VDC
10	4.3V
11	0V
12	4.3V
13	4.3V
14	Audio signal 4.3VDC

7910 TDA3602

1	12V
2	8.5V
3	N.C.
4	0.16V
5	5V
6	0V
7	5V
8	11.6V
9	5V

7800 TEA6320/V1

1	SQ Wave 5Vp-p
2	0V
3	RL
4	FL
5	4V
6	4V
7	4V
8	3.5V
9	4V
10	4V
11	4V
12	8V
13	5.7V
14	4V
15	4V
16	4V
17	3.6V
18	4V
19	7.8V
20	5.6V
21	4V
22	4V
23	3.6V
24	4V
25	3.5V
26	4V
27	4V
28	4V
29	FR
30	RR
31	8V
32	SQ Wave 5Vp-p

7511 TEA0675/V1 (PLAY POSITION)

1	4V
2	4V
3	4.3V
4	4V
5	4V
6	6.4V
7	4V
8	4V
9	8.2V
10	4V
11	4V
12	3.6V
13	3.6V
14	6.3V
15	4V
16	0V
17	4V
18	4V
19	0.17V
20	4V
21	4V
22	4V
23	4V
24	4V

7600 MC14066BCP

1	RL
2	4V
3	4V
4	FL
5	0.1V
6	0.1V
7	0V
8	FR
9	4V
10	4V
11	RR
12	8V
13	8V
14	8V

7602 TDA7374

1	FL+
2	RR-
3	14.4V
4	FL
5	5
6	0.7V
7	4V
8	OV
9	0V
10	N.C.
11	RL
12	FR
13	14.4V
14	RL-
15	FR+

7708 HEF4521BT

1	N.C.
2	0V
3	0V
4	SINE Wave 2.4Vp-p 0.5VDC
5	5V
6	SINE Wave 1Vp-p 1.6VDC
7	N.C.
8	0V
9	0V
10	N.C.
11	N.C.
12	N.C.
13	N.C.
14	SQ Wave 5Vp-p
15	N.C.
16	5V

7704 ST24C16CB6

1	5V
2	5V
3	5V
4	0V
5	5V
6	5V
7	0V
8	5V

ALIGNMENT TABLE

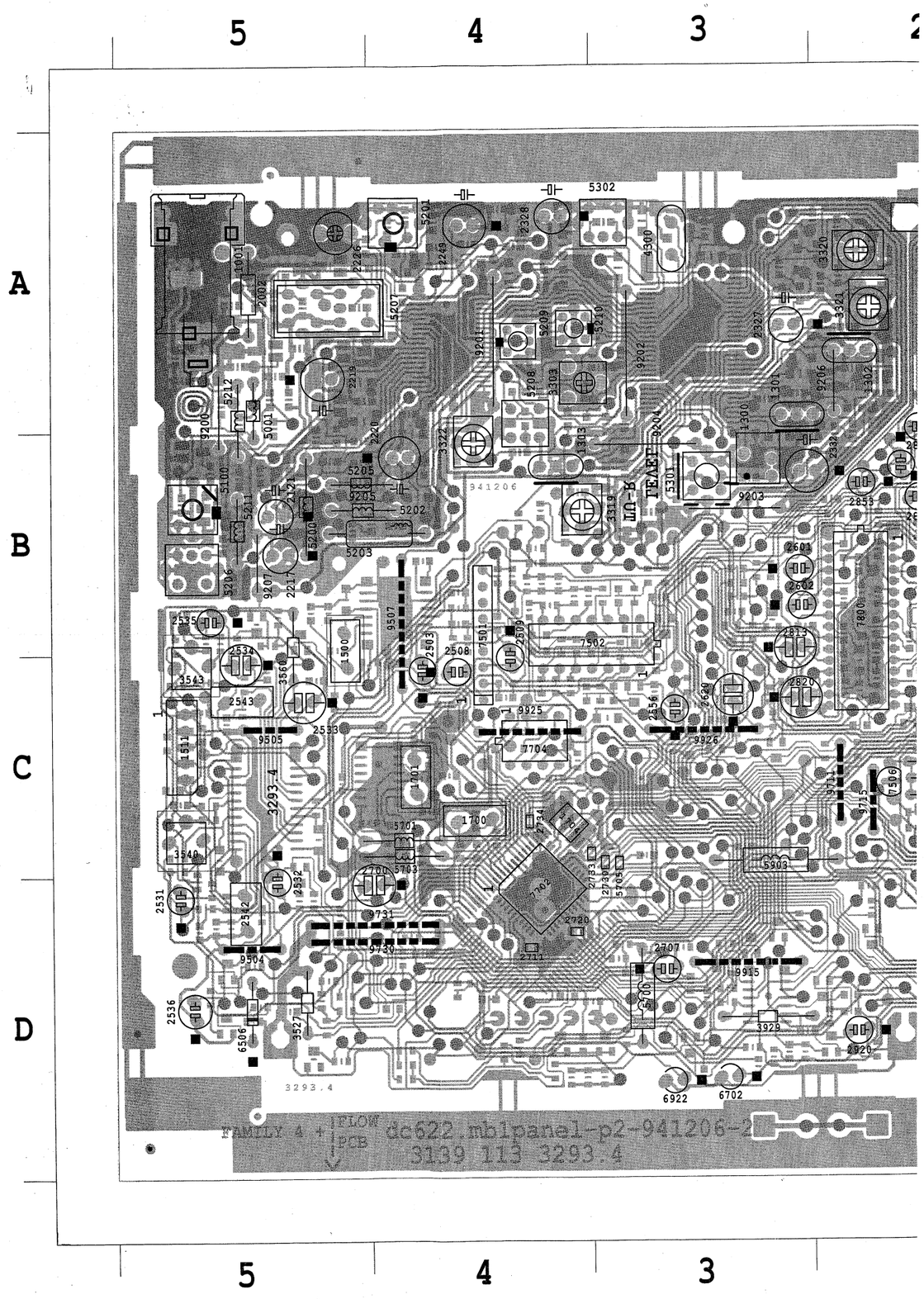
For more information see general information " General alignment procedures for car radio"

Alignment	SK		◇	▭		
RF Coil	FM	88MHz no signal	A	▭	5201	5 1.2V±30mV DC
FM – RF	FM	88MHz, 44µV Unmodulated	A	▭	5100	3 1.35V±50mV DC
RF Trimmer	FM	104MHz, 44µV Unmodulated	A	▭	2226	3 Max. V DC
FM – IF	FM	98MHz, 44µV Unmodulated	A	▭	5210 5209	3 Max. V DC
FM – IF	FM	98MHz, 44µV Unmodulated	A	▭	5208	3 Max. V DC
AM – IF	AM	1053kHz, 44µV 1kHz, AM = 30%	B	▭	5301	3 Max. V DC
SDS 10dB Crosstalk	FM	98MHz, 150µV Δf = 22.5kHz mod= 1kHz stereo - R	A	▭	3303	L 2 – R 1 ≥ 10dB
Crosstalk	FM	98MHz, 1 mV Δf = 22.5kHz mod= 1kHz stereo - R	A	▭	3320	L 2 – R 1 ≥ 30dB
α – 3 dB	FM	93 MHz, 1 mV Δ f = 22.5 kHz f mod. = 400 Hz	A	▭	◺	1 0 dB
		93 MHz, 5 µV Δ f = 22.5 kHz f mod. = 400 Hz				1 - 3 dB

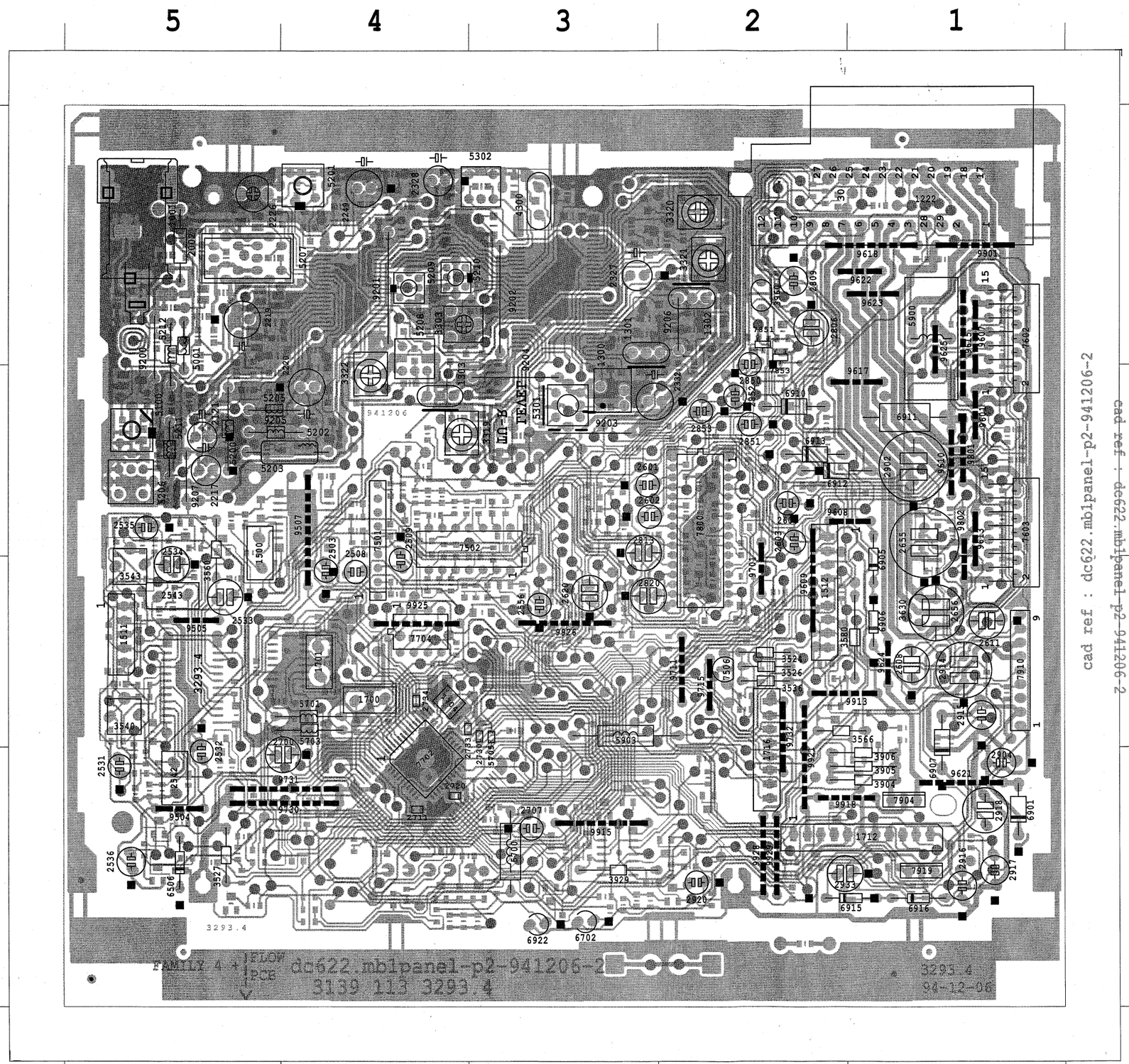
CHECK TABLE

Check	SK		◇	▭	Setting of controls	
VC – FM	FM	no signal		87.5MHz		4 ≥ 1.17VDC
				108MHz		4 ≥ 5.0VDC
VC – AM	LW	no signal		144 kHz		4 ≥ 1.5VDC
	MW			1611 kHz		4 ≤ 7VDC

MAIN BOARD (NON- CHIP)



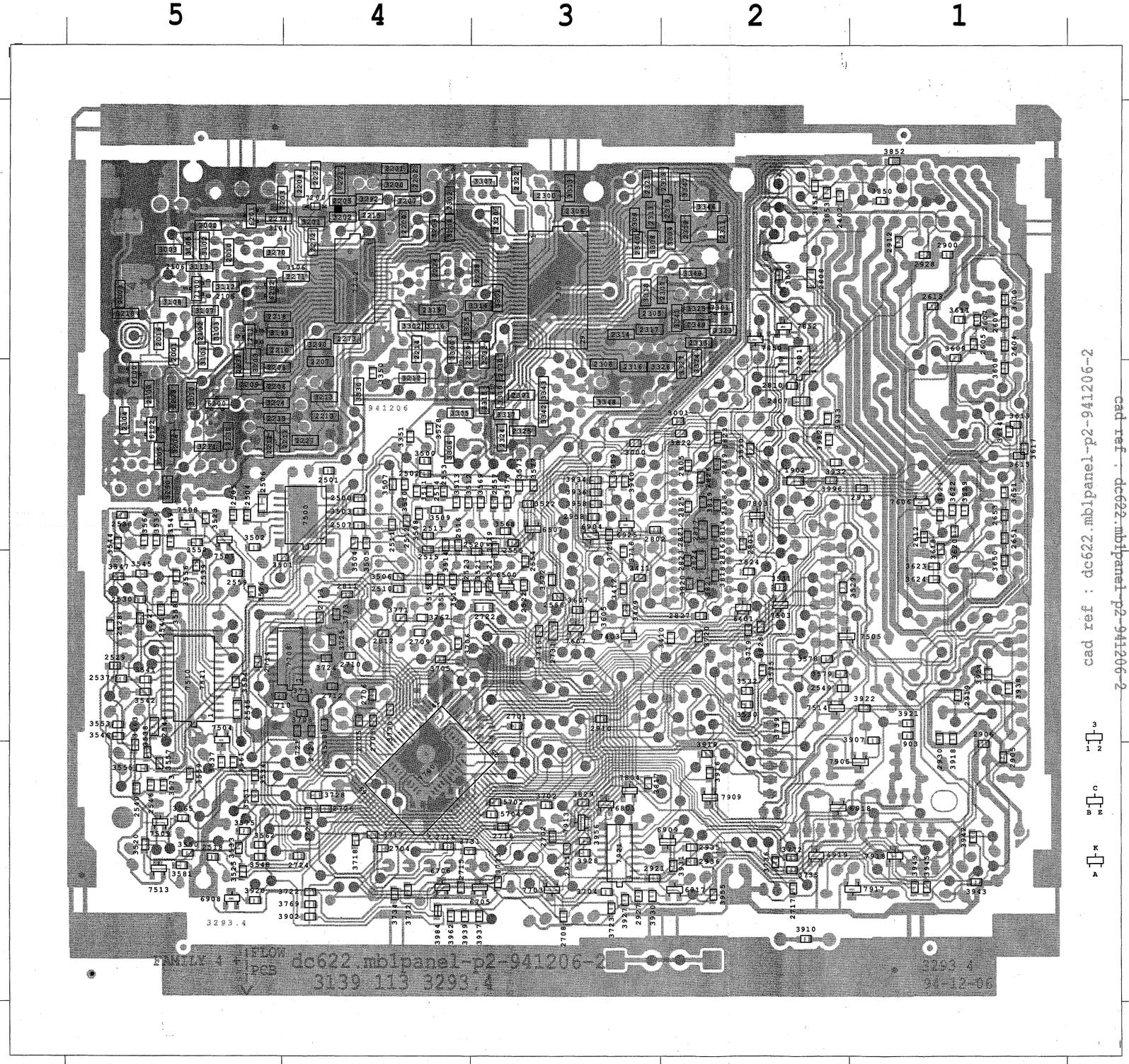
MAIN BOARD (NON- CHIP)



1222	A 1	9617	B 1		
1511	C 5	9618	A 1		
1512	C 2	9621	D 1		
1704	C 4	9622	A 1		
1712	D 1	9623	A 1		
1716	D 2	9624	C 1		
2655	B 1	9625	A 1		
2656	C 1	9701	C 2		
2711	D 4	9711	C 2		
2720	D 4	9715	C 2		
2730	C 3	9730	D 4		
2733	C 4	9731	D 4		
2734	C 4	9732	C 2		
2902	B 1	9801	B 1		
2914	C 1	9802	C 1		
2918	D 1	9901	A 1		
3524	C 2	9913	C 2		
3526	C 2	9915	D 3		
3527	D 5	9918	D 2		
3536	C 2	9921	D 2		
3560	B 5	9925	C 4		
3566	C 2	9926	C 3		
3580	C 1	9928	D 2		
3904	D 1	9929	D 2		
3905	D 1	----			
3906	D 1	1001	A 5		
3929	D 3	1300	B 3		
5700	D 3	2002	A 5		
5701	C 4	2226	A 5		
5703	C 4	3303	A 4		
5705	C 3	5001	A 5		
5900	A 1	5100	B 5		
5903	C 3	5200	B 5		
6506	D 5	5201	A 4		
6901	D 1	5202	B 5		
6905	C 1	5203	B 4		
6906	C 1	5205	B 5		
6907	C 1	5206	B 5		
6910	B 2	5207	A 5		
6911	B 1	5208	A 4		
6912	B 2	5209	A 4		
6913	B 2	5210	A 4		
6915	D 1	5211	B 5		
6916	D 1	5212	A 5		
7501	B 4	5301	B 3		
7502	B 3	5302	A 3		
7602	A 1	9200	A 5		
7603	B 1	9201	A 4		
7702	D 4	9202	A 3		
7704	C 4	9203	B 3		
7800	B 2	9204	B 3		
7851	A 2	9205	B 5		
7853	A 2	9206	A 2		
7904	D 1	9207	B 5		
7910	C 1				
7919	D 1				
9504	D 5				
9505	C 5				
9507	B 4				
9601	B 1				
9607	A 1				
9608	B 1				
9609	C 2				
9610	B 1				
9613	B 1				
9615	A 1				

cad ref : dc622.mblpanel-p2-941206-2

MAIN BOARD (CHIP)



1902 B 2	2723 C 4	3520 D 5	3624 C 1	3931 D 2	2001 A 5
2402 A 2	2724 D 4	3521 C 3	3629 B 1	3932 B 2	2003 A 5
2500 B 4	2726 D 4	3522 B 3	3650 C 1	3933 B 2	2010 A 5
2501 B 4	2731 C 3	3523 B 5	3651 B 1	3934 B 3	2016 A 5
2502 B 4	2801 B 2	3525 D 5	3702 D 3	3936 B 3	2100 B 5
2504 B 5	2802 B 3	3528 B 4	3704 D 3	3937 D 3	2102 A 5
2505 B 5	2805 B 2	3529 C 2	3705 C 4	3938 C 1	2104 B 5
2506 B 5	2807 B 2	3530 C 2	3706 C 4	3939 D 4	2105 A 5
2507 B 4	2808 A 2	3531 C 2	3708 C 4	3940 B 3	2106 A 5
2510 C 4	2810 B 2	3532 C 2	3710 C 5	3942 D 1	2200 A 4
2511 B 4	2811 C 4	3533 D 5	3711 C 4	3943 D 1	2201 A 4
2512 B 4	2812 C 4	3534 D 5	3715 C 3	3945 D 1	2202 A 4
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2516 B 4	2818 B 2	3539 B 5	3719 C 2	3956 D 3	2206 B 5
2518 D 5	2819 B 2	3541 C 5	3720 C 2	3958 B 3	2207 B 4
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2521 C 3	2823 C 2	3544 B 5	3722 D 4	3962 D 4	2209 B 5
2522 C 3	2824 C 2	3545 C 5	3723 D 3	3984 D 4	2210 A 5
2523 C 4	2825 B 2	3546 C 5	3724 C 4	3996 B 2	2211 B 4
2527 C 5	2826 B 2	3547 C 5	3725 C 4	5702 D 3	2212 B 5
2528 C 5	2827 C 2	3548 D 5	3728 D 4	5704 D 3	2213 B 4
2529 C 5	2900 A 1	3549 B 5	3729 D 4	6401 C 2	2214 A 4
2530 C 5	2905 D 1	3550 D 5	3731 D 4	6500 C 3	2215 A 4
2537 C 5	2906 D 1	3551 D 5	3732 D 4	6507 B 3	2218 A 5
2538 B 5	2910 C 3	3552 B 5	3733 D 3	6705 D 3	2221 A 4
2539 C 5	2911 D 3	3553 C 5	3734 D 4	6706 D 4	2223 B 5
2540 D 5	2912 A 1	3554 C 5	3735 D 2	6801 D 3	2224 A 4
2541 C 5	2913 B 1	3555 D 5	3736 D 2	6904 B 3	2225 A 4
2544 C 5	2919 C 1	3556 C 5	3739 C 2	6908 D 5	2227 B 4
2545 C 5	2921 D 3	3557 D 5	3767 C 4	6909 D 2	2228 A 4
2546 D 5	2927 D 3	3558 C 5	3769 D 4	6917 D 2	2229 A 4
2549 C 2	2928 A 1	3559 D 5	3770 C 4	6918 D 2	2230 B 5
2553 B 4	2930 C 1	3561 D 5	3771 C 4	6919 D 2	2231 B 5
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2555 B 3	2936 D 2	3563 D 5	3773 C 4	7403 C 3	2233 B 5
2557 B 3	2958 B 3	3564 B 5	3800 A 2	7500 B 4	2270 A 5
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2606 A 1	3409 C 3	3571 B 3	3821 C 2	7508 B 5	2301 B 4
2607 A 1	3410 C 2	3572 C 3	3822 B 2	7509 D 5	2302 A 4
2612 B 1	3411 C 3	3573 D 5	3823 B 2	7510 C 5	2305 A 4
2613 A 1	3412 C 3	3575 D 5	3824 C 2	7511 C 5	2306 A 4
2651 B 1	3500 B 4	3576 C 5	3826 C 2	7513 D 5	2307 A 4
2653 B 1	3501 C 4	3577 B 3	3829 D 3	7514 C 2	2308 B 4
2701 C 3	3502 B 5	3578 C 2	3850 A 1	7606 B 1	2309 A 4
2702 D 3	3503 B 4	3579 C 2	3851 A 2	7607 C 3	2310 A 4
2703 C 4	3504 B 4	3581 D 5	3852 A 1	7700 D 4	2311 A 4
2704 D 4	3505 B 4	3605 C 3	3853 A 2	7703 D 3	2312 A 4
2705 C 4	3506 C 4	3607 C 3	3902 D 4	7708 C 4	2313 A 4
2706 C 4	3507 B 4	3608 B 1	3903 C 1	7801 B 2	2314 A 4
2708 D 3	3508 B 4	3609 A 1	3907 C 1	7803 B 2	2315 B 4
2709 C 4	3509 B 4	3610 A 1	3910 D 2	7804 D 3	2316 B 4
2710 C 4	3510 B 4	3611 A 1	3916 D 2	7850 A 2	2317 A 4
2712 C 4	3511 B 4	3614 B 1	3918 C 1	7852 A 2	2318 A 4
2713 C 4	3512 B 4	3615 B 1	3919 D 2	7905 D 1	2319 A 4
2714 C 5	3513 B 4	3617 B 1	3920 D 5	7909 D 2	2320 A 4
2715 D 4	3514 B 4	3618 B 1	3921 C 1	7913 D 3	2321 A 4
2716 D 4	3515 C 4	3619 B 1	3922 C 1	7917 D 1	2322 A 4
2717 D 2	3516 C 4	3620 B 1	3924 C 1	7918 D 1	2324 B 4
2718 D 3	3517 C 4	3621 B 1	3927 D 3	7921 D 3	2325 B 4
2721 C 4	3518 C 4	3622 B 1	3928 D 3	----	2330 B 4
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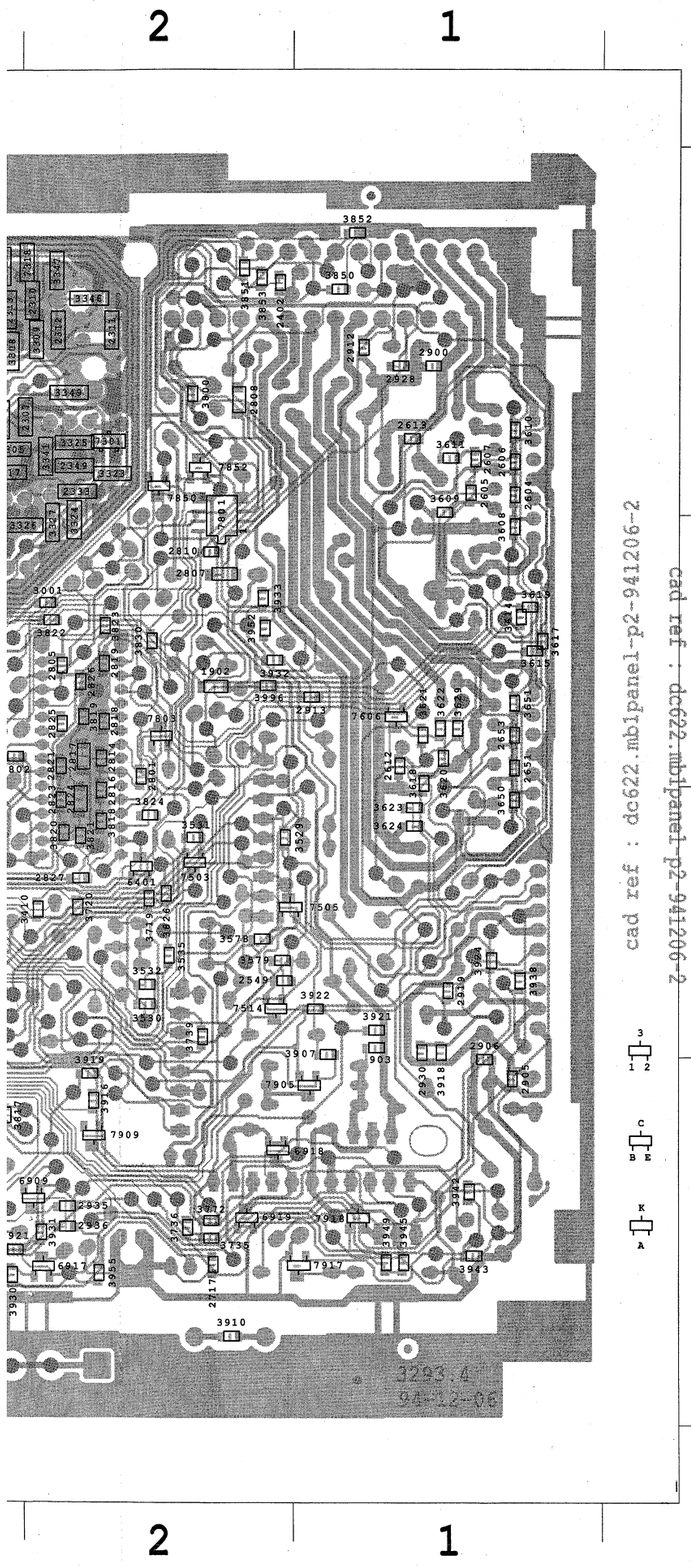

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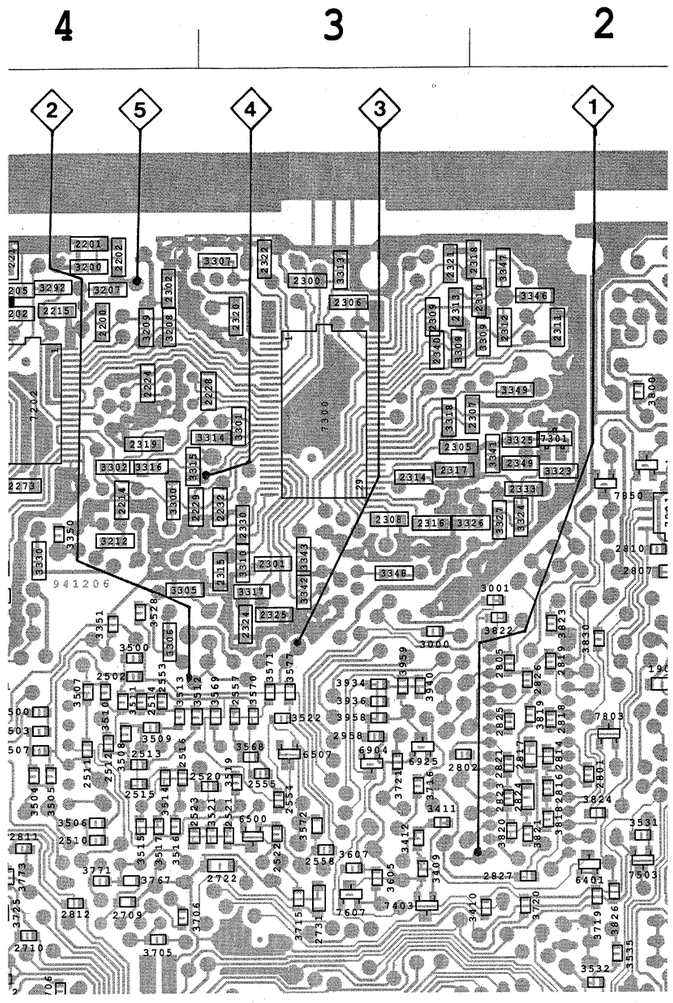
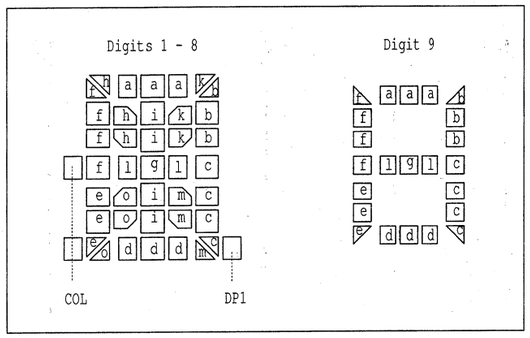
2402 A 2	2724 D 4	3521 C 3	3629 B 1	3932 B 2	2003 A 5	2349 A 2	7200 A 4
2500 B 4	2726 D 4	3522 B 3	3650 C 1	3933 B 2	2010 A 5	3003 A 5	7201 A 5
2501 B 4	2731 C 3	3523 B 5	3651 B 1	3934 B 3	2016 A 5	3101 A 5	7202 A 4
2502 B 4	2801 B 2	3525 D 5	3702 D 3	3936 B 3	2100 B 5	3102 A 5	7300 A 3
2504 B 5	2802 B 3	3528 B 4	3704 D 3	3937 D 3	2102 A 5	3103 A 5	7301 A 2
2505 B 5	2805 B 2	3529 C 2	3705 C 4	3938 C 1	2104 B 5	3104 A 5	
2506 B 5	2807 B 2	3530 C 2	3706 C 4	3939 D 4	2105 A 5	3105 A 5	
2507 B 4	2808 A 2	3531 C 2	3708 C 4	3940 B 3	2106 A 5	3106 A 4	
2510 C 4	2810 B 2	3532 C 2	3710 C 5	3942 D 1	2200 A 4	3107 A 5	
2511 B 4	2811 C 4	3533 D 5	3711 C 4	3943 D 1	2201 A 4	3108 A 5	
2512 B 4	2812 C 4	3534 D 5	3715 C 3	3945 D 1	2202 A 4	3110 B 5	
2513 B 4	2814 B 2	3535 C 2	3716 C 3	3949 D 1	2203 A 5	3112 A 5	
2514 B 4	2816 C 2	3537 D 5	3717 D 4	3952 B 2	2204 A 4	3113 A 5	
2515 B 4	2817 B 2	3538 D 5	3718 D 4	3955 D 2	2205 A 4	3199 A 5	
2516 B 4	2818 B 2	3539 B 5	3719 C 2	3956 D 3	2206 B 5	3200 A 4	
2518 D 5	2819 B 2	3541 C 5	3720 C 2	3958 B 3	2207 B 4	3201 A 4	
2520 C 3	2821 B 2	3542 C 5	3721 B 3	3959 B 3	2208 B 5	3202 A 4	
2521 C 3	2823 C 2	3544 B 5	3722 D 4	3962 D 4	2209 B 5	3203 B 5	
2522 C 3	2824 C 2	3545 C 5	3723 D 3	3984 D 4	2210 A 5	3204 B 5	
2523 C 4	2825 B 2	3546 C 5	3724 C 4	3996 B 2	2211 B 4	3205 B 5	
2527 C 5	2826 B 2	3547 C 5	3725 C 4	5702 D 3	2212 B 5	3206 B 5	
2528 C 5	2827 C 2	3548 D 5	3728 D 4	5704 D 3	2213 B 4	3207 A 4	
2529 C 5	2900 A 1	3549 B 5	3729 D 4	6401 C 2	2214 A 4	3208 A 4	
2530 C 5	2905 D 1	3550 D 5	3731 D 4	6500 C 3	2215 A 4	3209 A 4	
2537 C 5	2906 D 1	3551 D 5	3732 D 4	6507 B 3	2218 A 5	3210 A 5	
2538 B 5	2910 C 3	3552 B 5	3733 D 3	6705 D 3	2221 A 4	3211 B 5	
2539 C 5	2911 D 3	3553 C 5	3734 D 4	6706 D 4	2223 B 5	3212 B 4	
2540 D 5	2912 A 1	3554 C 5	3735 D 2	6801 D 3	2224 A 4	3213 B 4	
2541 C 5	2913 B 1	3555 D 5	3736 D 2	6904 B 3	2225 A 4	3250 B 5	
2544 C 5	2919 C 1	3556 C 5	3739 C 2	6908 D 5	2227 B 4	3270 A 5	
2545 C 5	2921 D 3	3557 D 5	3767 C 4	6909 D 2	2228 A 3	3290 A 4	
2546 D 5	2927 D 3	3558 C 5	3769 D 4	6917 D 2	2229 A 4	3292 A 4	
2549 C 2	2928 A 1	3559 D 5	3770 C 4	6918 D 2	2230 B 5	3300 A 4	
2553 B 4	2930 C 1	3561 D 5	3771 C 4	6919 D 2	2231 B 5	3301 A 3	
2554 C 3	2935 D 2	3562 D 5	3772 D 2	6925 B 3	2232 A 3	3302 A 4	
2555 B 3	2936 D 2	3563 D 5	3773 C 4	7403 C 3	2233 B 5	3305 B 4	
2557 B 3	2958 B 3	3564 B 5	3800 A 2	7500 B 4	2270 A 5	3306 B 4	
2558 C 3	3000 B 3	3565 D 5	3817 D 3	7503 C 2	2271 A 4	3307 A 3	
2559 C 5	3001 B 2	3568 B 3	3818 C 2	7504 C 5	2272 A 4	3308 A 3	
2604 A 1	3350 B 4	3569 B 3	3819 B 2	7505 C 2	2273 A 4	3309 A 2	
2605 A 1	3351 B 4	3570 B 3	3820 C 2	7507 B 5	2300 A 3	3310 B 3	
2606 A 1	3409 C 3	3571 B 3	3821 C 2	7508 B 5	2301 B 3	3313 A 3	
2607 A 1	3410 C 2	3572 C 3	3822 B 2	7509 D 5	2302 A 4	3314 A 3	
2612 B 1	3411 C 3	3573 D 5	3823 B 2	7510 C 5	2305 A 3	3315 A 4	
2613 A 1	3412 C 3	3575 D 5	3824 C 2	7511 C 5	2306 A 3	3316 A 4	
2651 B 1	3500 B 4	3576 C 5	3826 C 2	7513 D 5	2307 A 2	3317 B 3	
2653 B 1	3501 C 4	3577 B 3	3829 D 3	7514 C 2	2308 B 3	3318 A 3	
2701 C 3	3502 B 5	3578 C 2	3850 A 1	7606 B 1	2309 A 3	3323 A 2	
2702 D 3	3503 B 4	3579 C 2	3851 A 2	7607 C 3	2310 A 2	3324 B 2	
2703 C 4	3504 B 4	3581 D 5	3852 A 1	7700 D 4	2311 A 2	3325 A 2	
2704 D 4	3505 B 4	3605 C 3	3853 A 2	7703 D 3	2312 A 2	3326 B 2	
2705 C 4	3506 C 4	3607 C 3	3902 D 4	7708 C 4	2313 A 3	3327 B 2	
2706 C 4	3507 B 4	3608 B 1	3903 C 1	7801 B 2	2314 A 3	3330 B 4	
2708 D 3	3508 B 4	3609 A 1	3907 C 1	7803 B 2	2315 B 3	3341 A 2	
2709 C 4	3509 B 4	3610 A 1	3910 D 2	7804 D 3	2316 B 3	3342 B 3	
2710 C 4	3510 B 4	3611 A 1	3916 D 2	7850 A 2	2317 A 3	3343 B 3	
2712 C 4	3511 B 4	3614 B 1	3918 C 1	7852 A 2	2318 A 2	3346 A 2	
2713 C 4	3512 B 4	3615 B 1	3919 D 2	7905 D 1	2319 A 4	3347 A 2	
2714 C 5	3513 B 4	3617 B 1	3920 D 5	7909 D 2	2320 A 3	3348 B 3	
2715 D 4	3514 B 4	3618 B 1	3921 C 1	7913 D 3	2321 A 3	3349 A 2	
2716 D 4	3515 C 4	3619 B 1	3922 C 1	7917 D 1	2322 A 3	6100 B 5	
2717 D 2	3516 C 4	3620 B 1	3924 C 1	7918 D 1	2324 B 3	6102 B 5	
2718 D 3	3517 C 4	3621 B 1	3927 D 3	7921 D 3	2325 B 3	6200 B 5	
2721 C 4	3518 C 4	3622 B 1	3928 D 3	----	2330 B 3	6201 A 5	
2722 C 3	3519 B 3	3623 C 1	3930 D 3	2000 A 5	2333 A 2	6202 A 5	



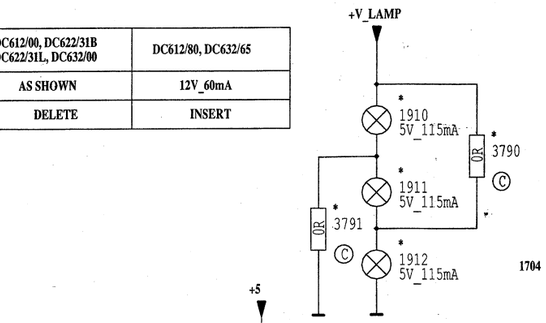
PART 8 : LCD DRIVER & AUDIO CONTROL (SUB-PCB)

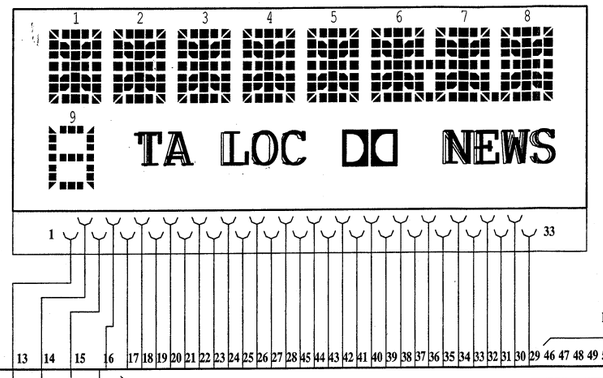


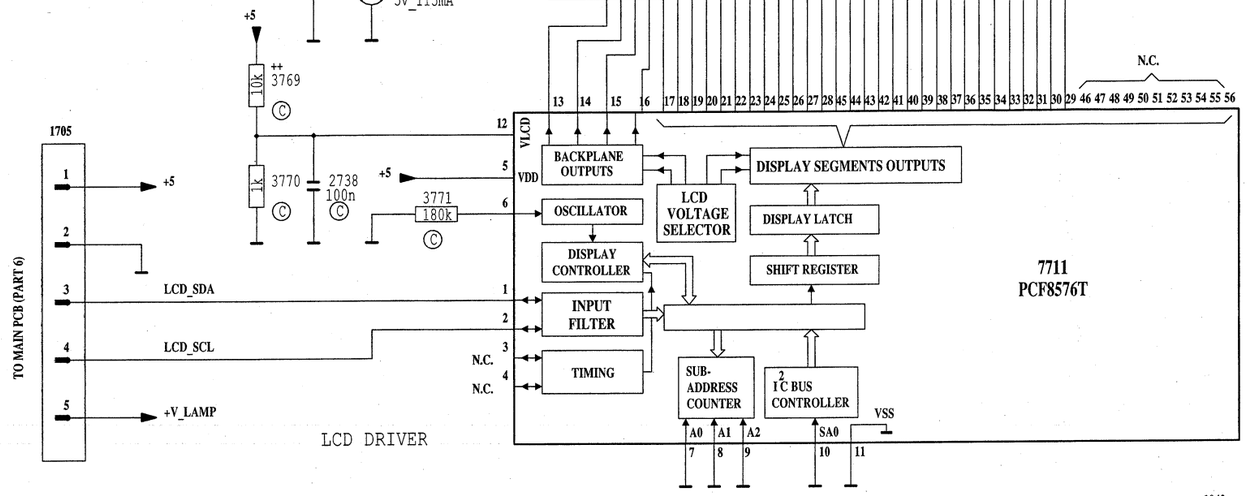
LCD PINOUT TABLE

7711 DRIVER PINS	1704 LCD PINS	COM 1	COM 2	COM 3	COM 4
13	1	COM 1			
14	2		COM 2		
15	3			COM 3	
16	4				COM 4
17	5	1h	1l	1f	1e
18	6	9a	9f	9d	9e
19	7	1a	1i	1o	9b
20	8	1k	1g	1m	1d
21	9	2a	1b	1c	TA
22	10	2h	2l	2f	2e
23	11	2k	2i	2o	2d
24	12	2b	2g	2c	2m
25	13	3h	3l	3f	3e
26	14	3a	3i	3o	9c
27	15	3k	3g	3m	3d
28	16	4a	3b	3c	LOC
45	17	4h	4l	4f	4e
44	18	4k	4i	4o	4d
43	19	4b	4g	4c	4m
42	20	5h	5l	5f	5e
41	21	5a	5i	5o	COL
40	22	5k	5g	5m	5d
39	23	6a	5b	5c	□□
38	24	6h	6l	6f	6e
37	25	6k	6i	6o	6d
36	26	6b	6g	6c	6m
35	27	7h	7l	7f	7e
34	28	7a	7i	7o	NEWS
33	29	7k	7g	7m	7d
32	30	8a	7b	7c	DP1
31	31	8h	8l	8f	8e
30	32	8k	8i	8o	8d
29	33	8b	8g	8c	8m

*	DC612/00, DC622/31B DC622/31L, DC632/00	DC612/80, DC632/65
1910 - 1912	AS SHOWN	12V_60mA
3790 & 3791	DELETE	INSERT



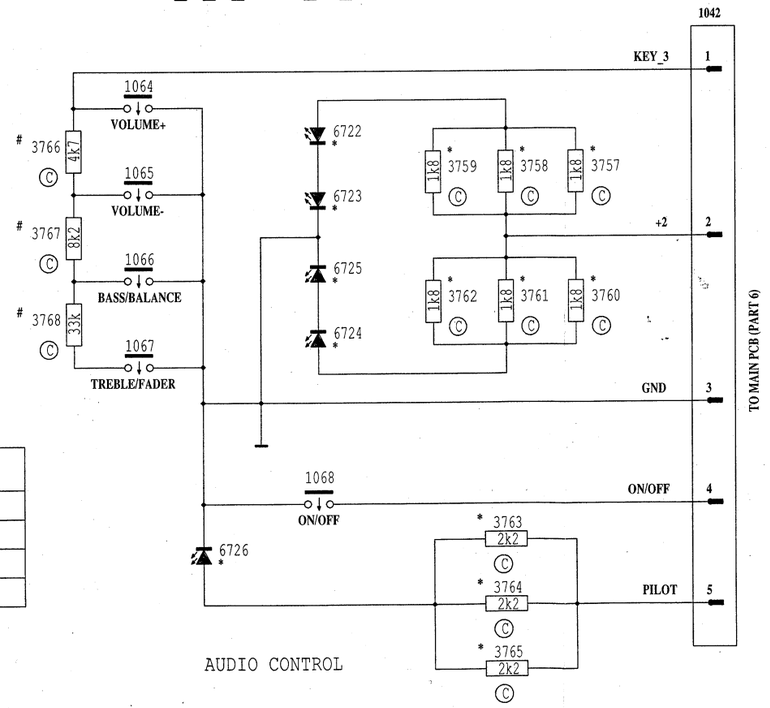




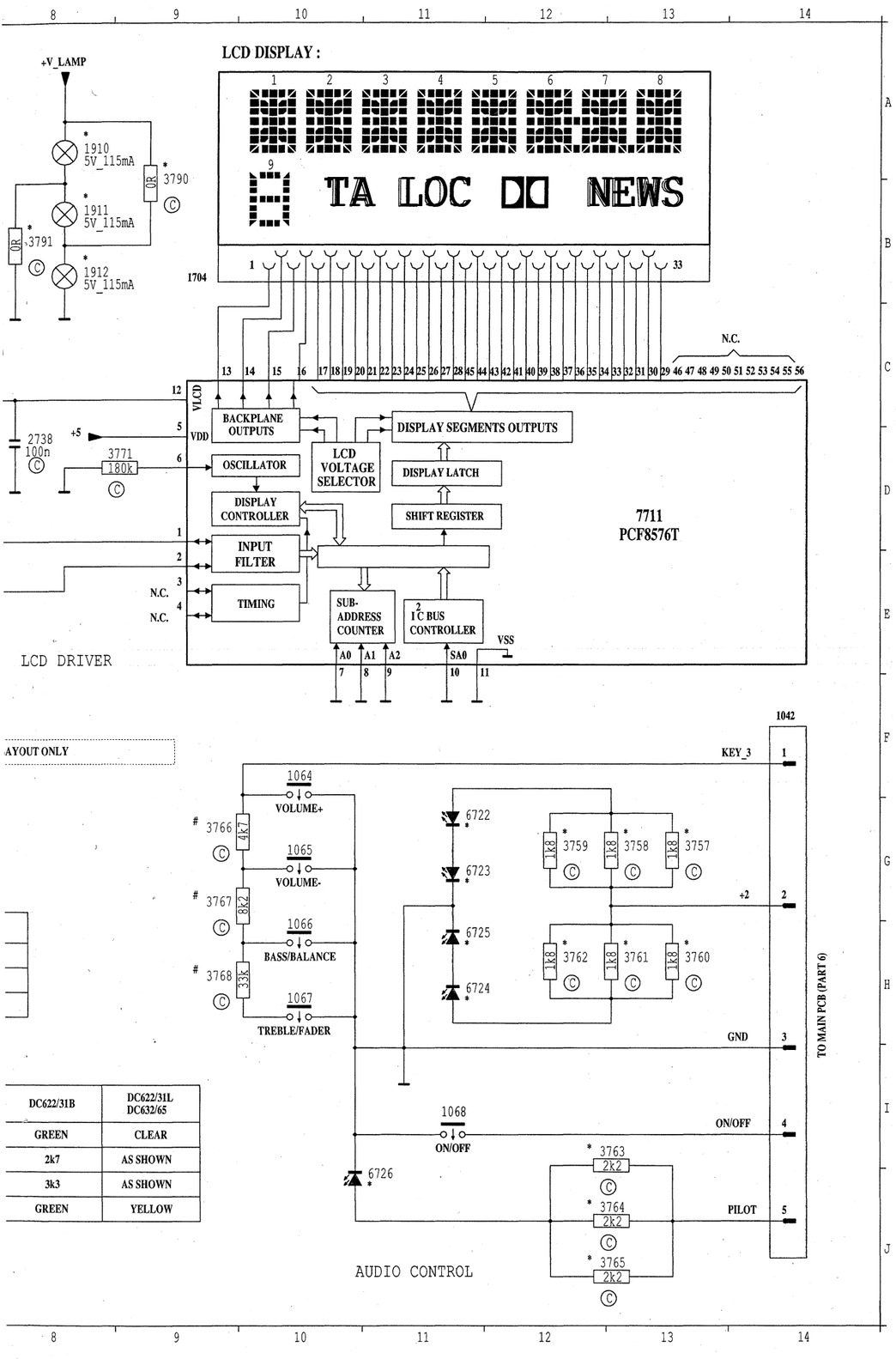
++ ITEM NOT USED - PROVISION IN PCB LAYOUT ONLY

#	AFTER-SALES/OEM	FAMAR
3766	12k	AS SHOWN
3767	10K	AS SHOWN
3768	22K	AS SHOWN

*	DC612/00 DC632/00	DC612/80	DC622/31B	DC622/31L DC632/65
1910 - 1912	ORANGE	CLEAR	GREEN	CLEAR
3757 - 3762	2k7	2k7	2k7	AS SHOWN
3763 - 3765	3k3	3k3	3k3	AS SHOWN
6722 - 6726	ORANGE	GREEN	GREEN	YELLOW

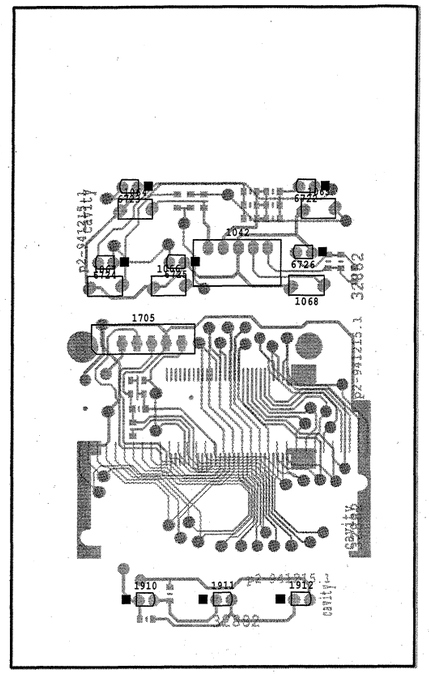


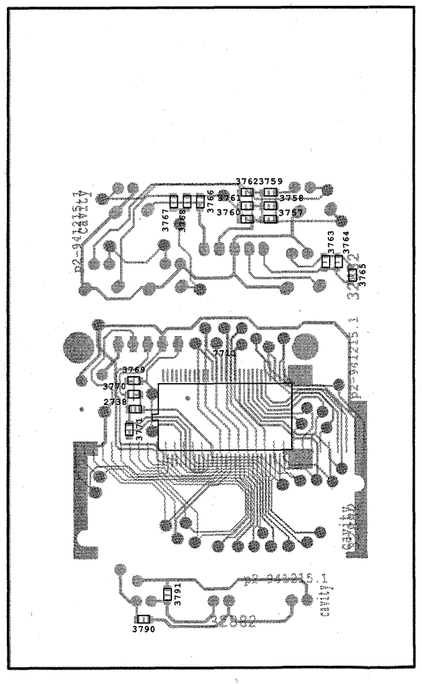
1042 F14
1064 F10
1065 G10
1066 H10
1067 H10
1068 I11
1704 B 9
1705 C 6
1910 A 8
1911 B 8
1912 B 8
2738 D 8
3757 G13
3758 G13
3759 G12
3760 H13
3761 H13
3762 H12
3763 I13
3764 J13
3765 J13
3766 G 9
3767 G 9
3768 H 9
3769 C 8
3770 D 8
3771 D 9
3790 B 9
3791 B 8
6722 G11
6723 G11
6724 H11
6725 H11
6726 I11
7711 D13



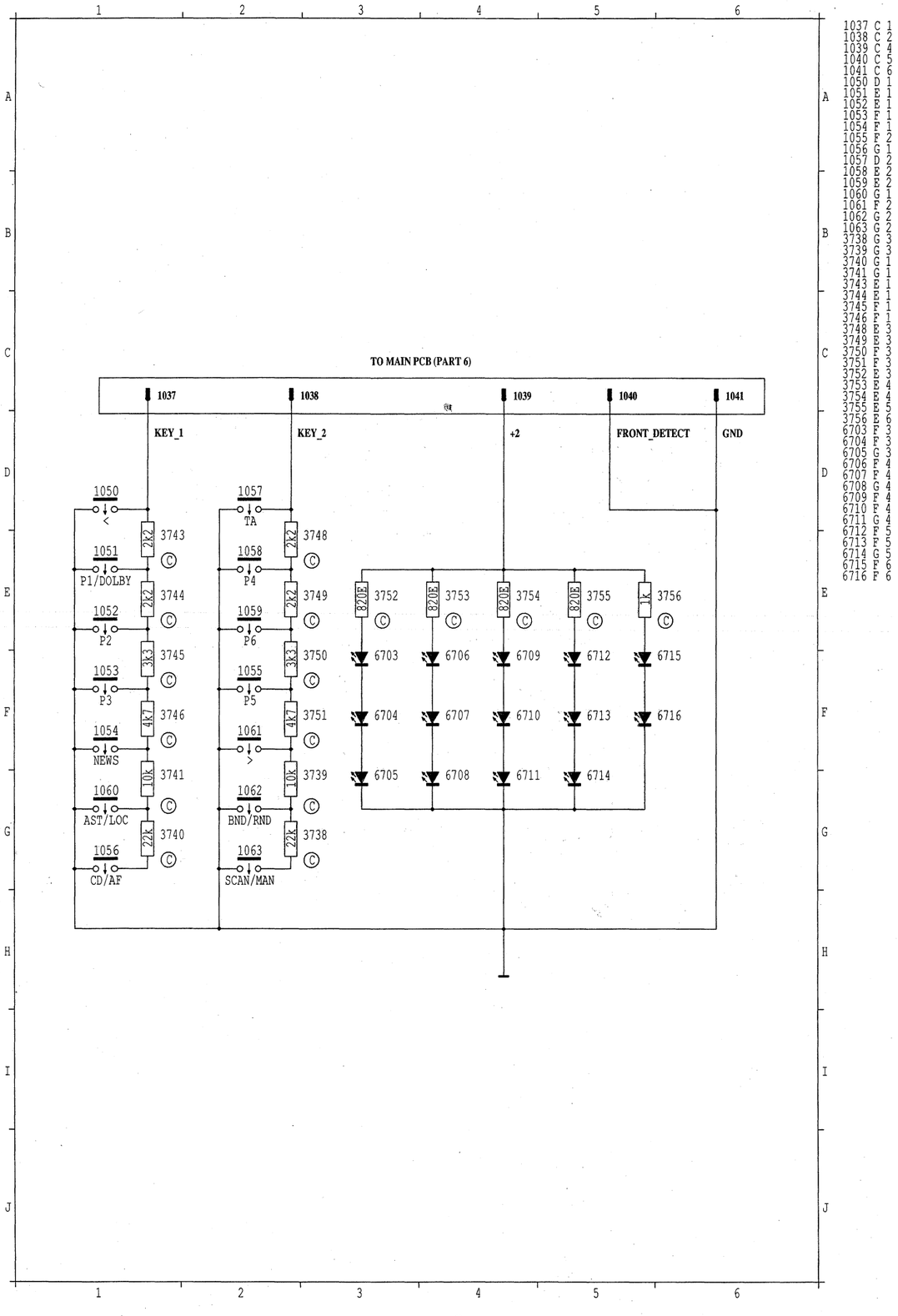
DC622/31B	DC622/31L DC632/65
GREEN	CLEAR
2k7	AS SHOWN
3k3	AS SHOWN
GREEN	YELLOW

1042	F	14
1064	F	10
1065	G	10
1066	H	10
1067	H	10
1068	I	11
1704	B	9
1705	C	6
1910	A	8
1911	B	8
1912	B	8
2738	D	8
3757	G	13
3758	G	13
3759	G	12
3760	H	13
3761	H	13
3762	H	12
3763	I	13
3764	J	13
3765	J	13
3766	G	9
3767	G	9
3768	H	9
3769	C	8
3770	D	8
3771	D	9
3790	B	9
3791	B	8
6722	G	11
6723	G	11
6724	H	11
6725	H	11
6726	I	11
7711	D	13

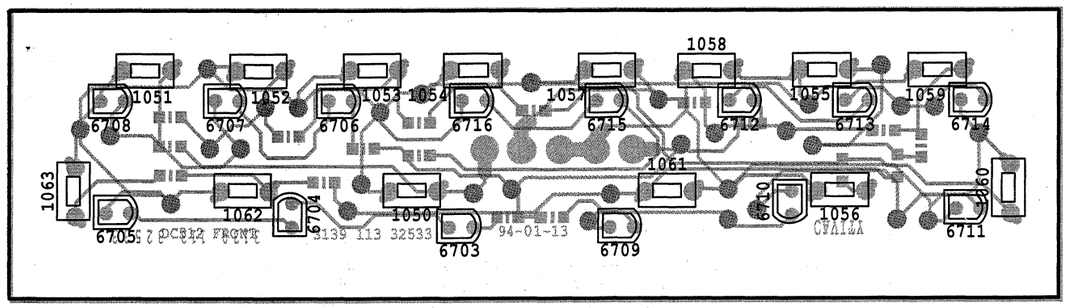


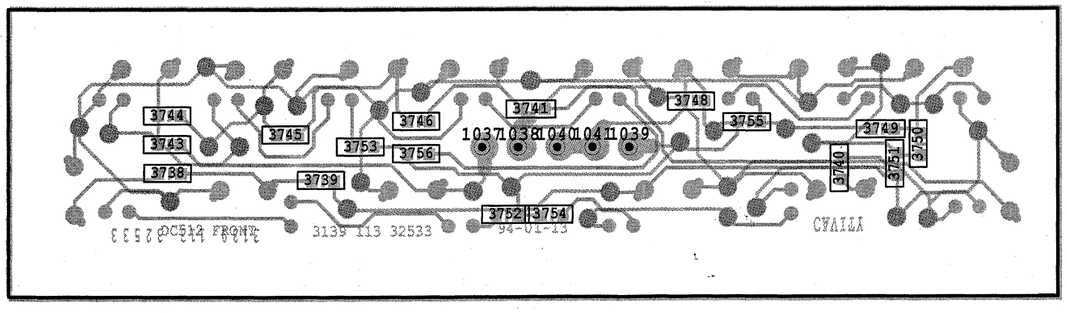


PART 9 : DETACHABLE KEYBOARD (SUB-PCB)

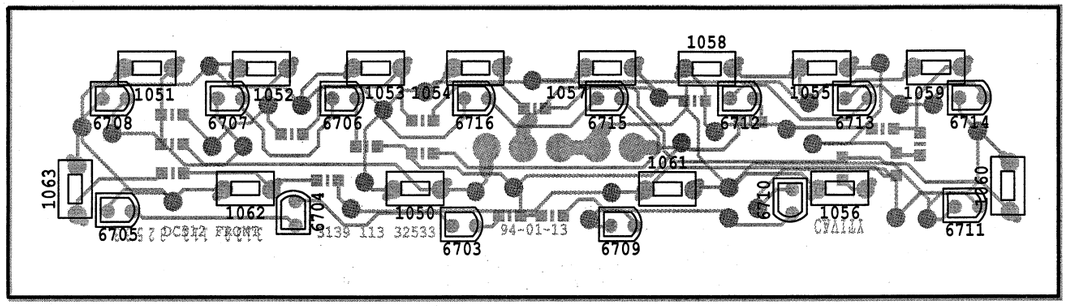


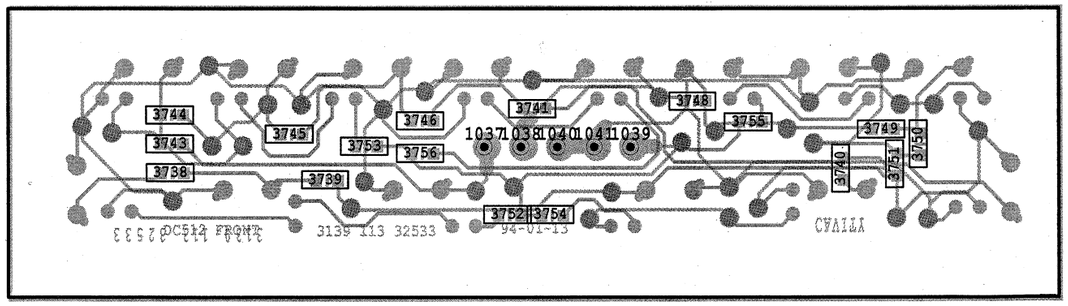
1037 C 1
1038 C 2
1039 C 4
1040 C 5
1041 C 6
1050 D 1
1051 E 1
1052 E 1
1053 F 1
1054 F 1
1055 F 2
1056 G 1
1057 D 2
1058 E 2
1059 E 2
1060 G 1
1061 F 2
1062 G 2
1063 G 2
3738 G 3
3739 G 3
3740 G 1
3741 G 1
3743 E 1
3744 E 1
3745 F 1
3746 F 1
3748 E 3
3749 E 3
3750 F 3
3751 F 3
3752 E 3
3753 E 4
3754 E 4
3755 E 5
3756 E 6
6703 F 3
6704 F 3
6705 G 3
6706 F 4
6707 F 4
6708 G 4
6709 F 4
6710 F 4
6711 G 4
6712 F 5
6713 F 5
6714 G 5
6715 F 6
6716 F 6

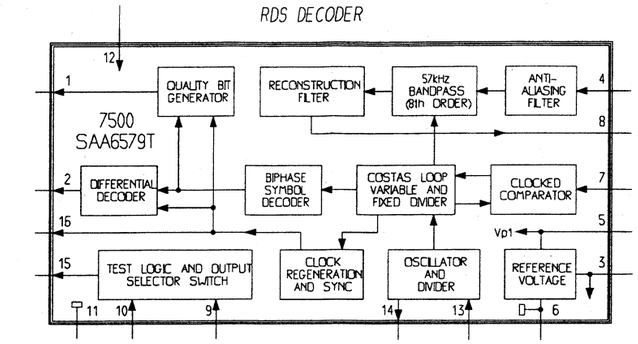


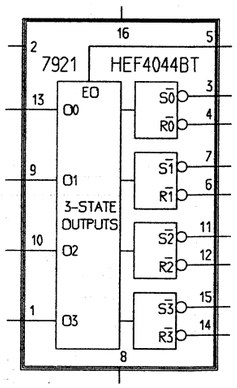


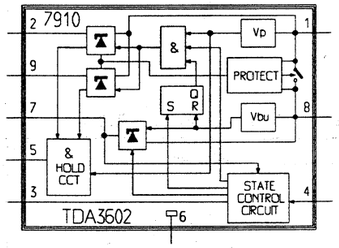
1037	C	1	
1038	C	2	
1039	C	4	
1040	C	5	
1041	C	6	
1050	D	1	
1051	E	1	
1052	E	1	
1053	F	1	
1054	F	1	
1055	F	2	
1056	G	1	
1057	D	2	
1058	E	2	
1059	E	2	
1060	G	1	
1061	F	2	
1062	G	2	
1063	G	2	
3738	G	3	
3739	G	3	
3740	G	1	
3741	G	1	
3743	E	1	
3744	E	1	
3745	F	1	
3746	F	1	
3748	E	3	
3749	E	3	
3750	F	3	
3751	F	3	
3752	E	3	
3753	E	4	
3754	E	4	
3755	E	5	
3756	E	6	
6703	F	3	
6704	F	3	
6705	G	3	
6706	F	4	
6707	F	4	
6708	G	4	
6709	F	4	
6710	F	4	
6711	G	4	
6712	F	5	
6713	F	5	
6714	G	5	
6715	F	6	
6716	F	6	

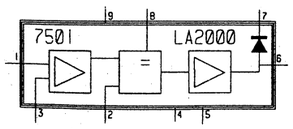


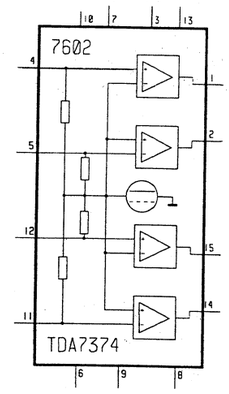


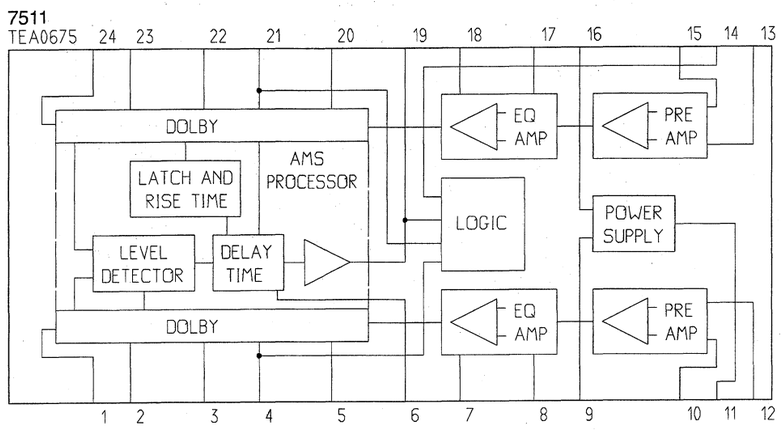




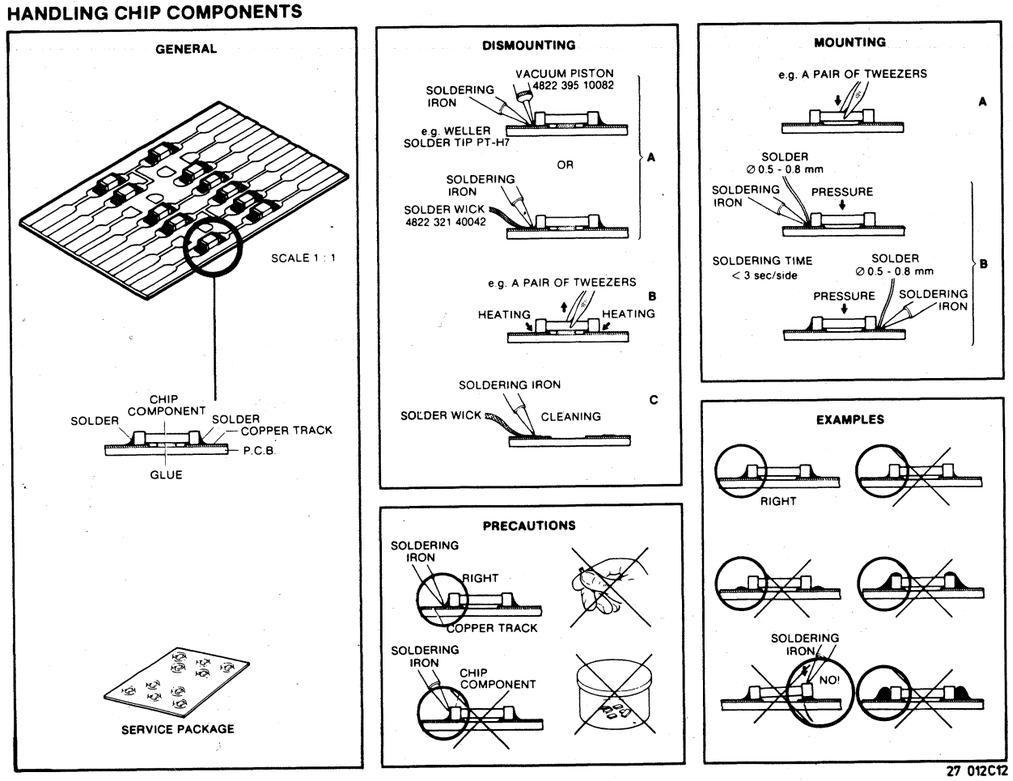






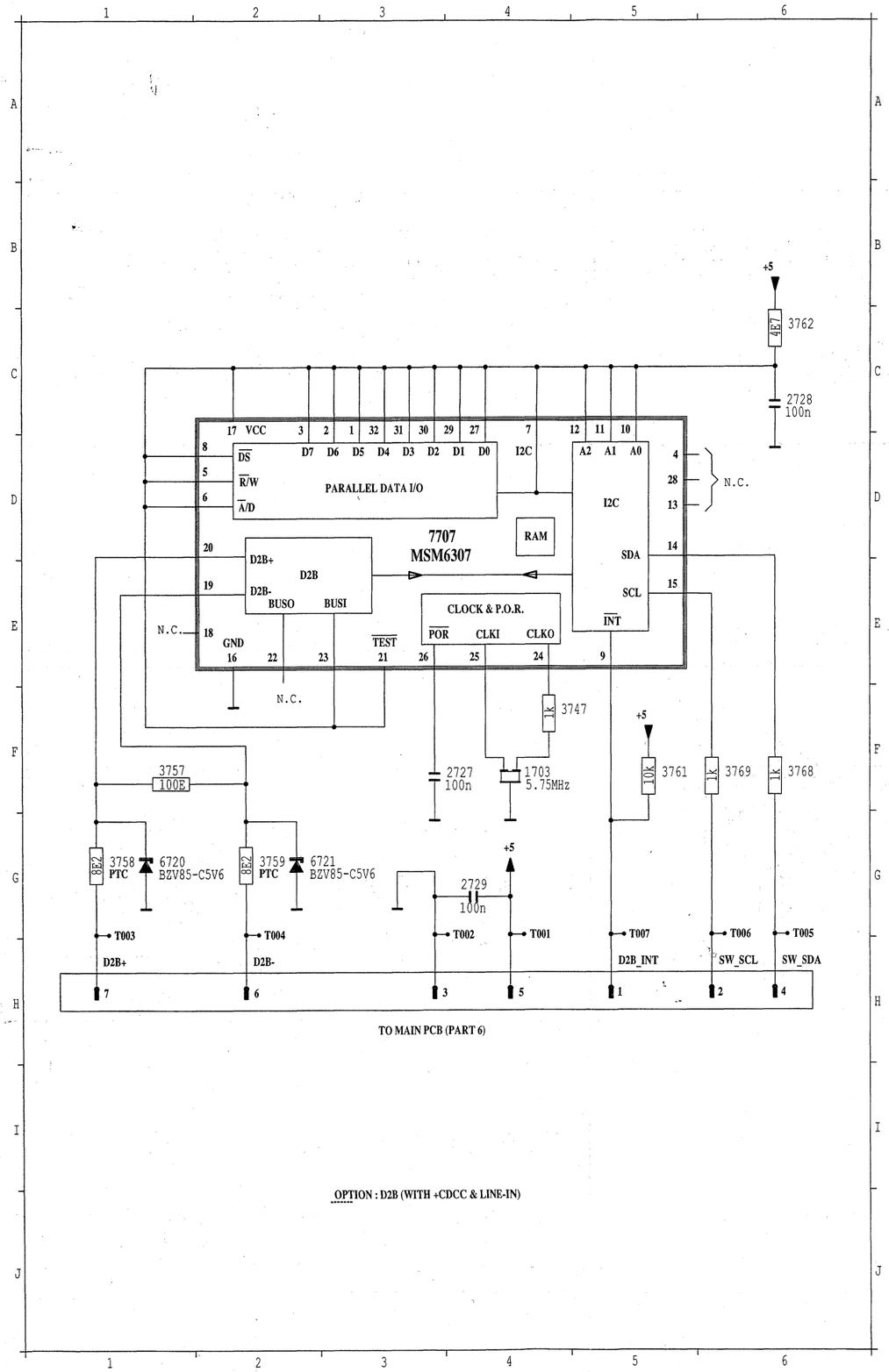


HANDLING CHIP COMPONENTS



27 012C12

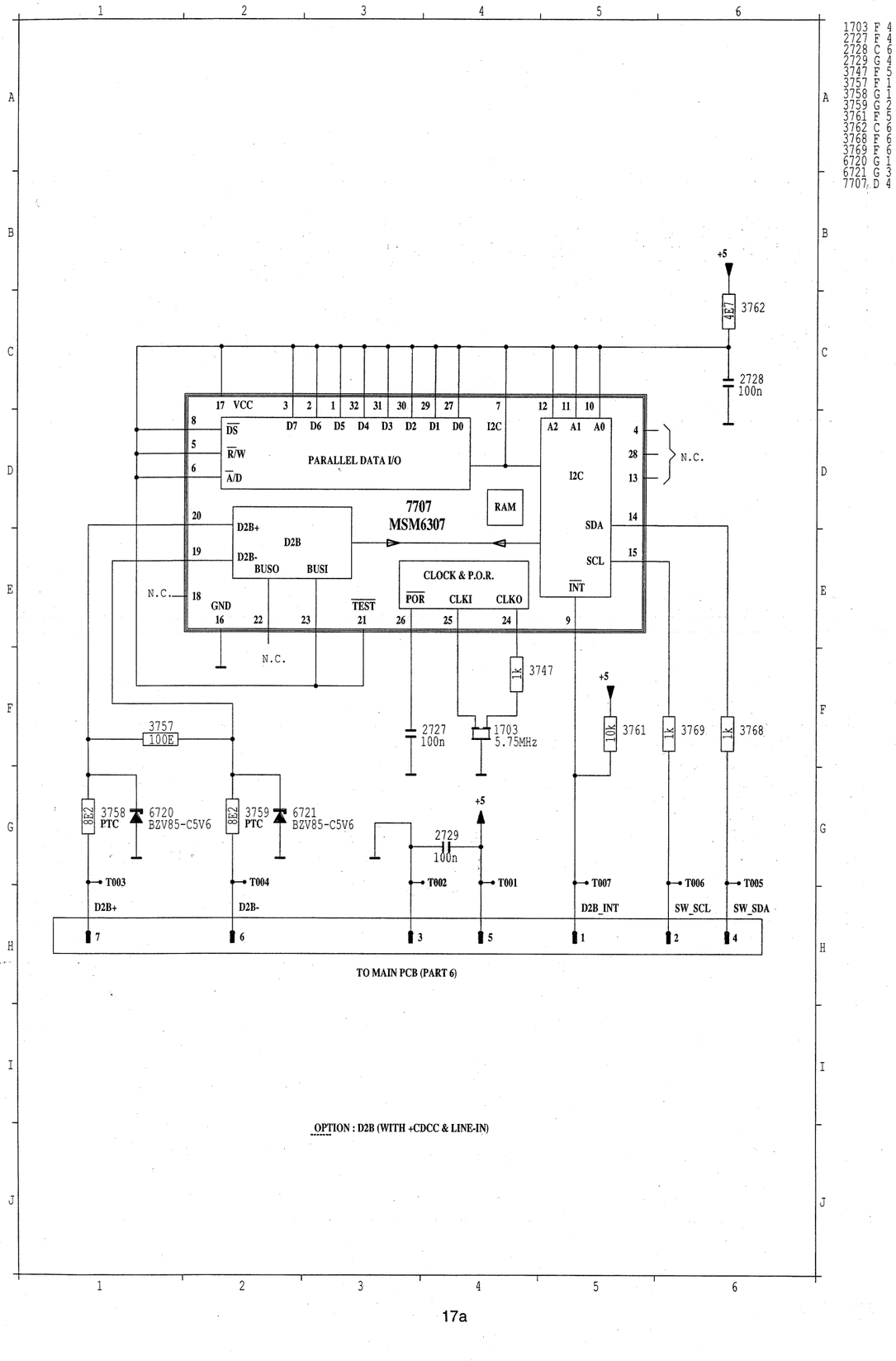
PART 10 : D2B (SUB-PCB)

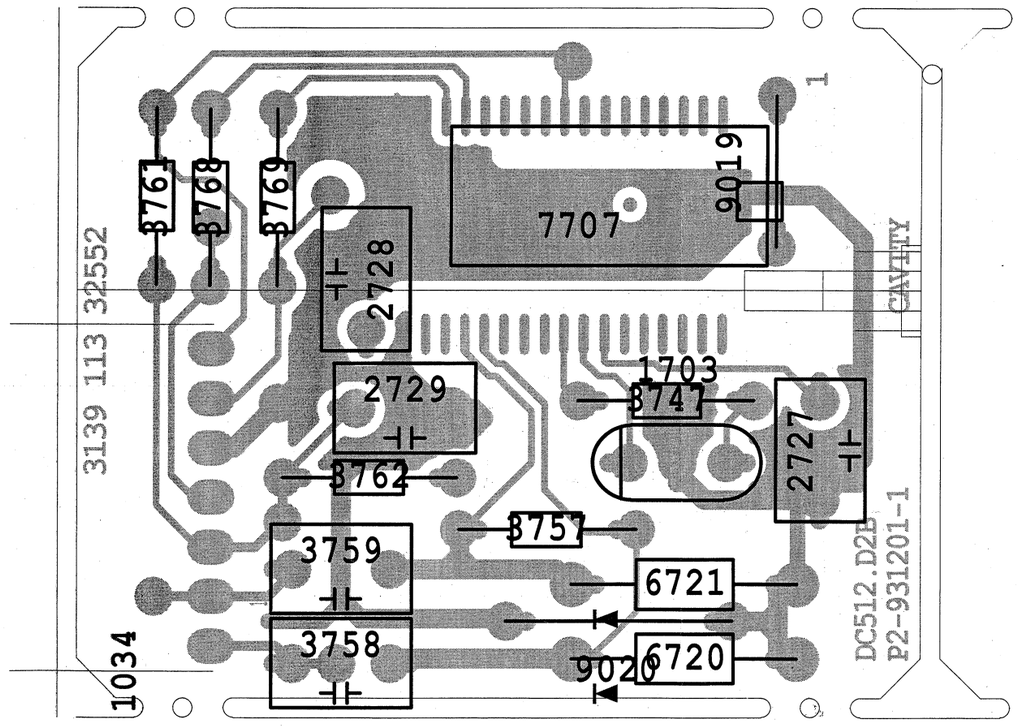


TO MAIN PCB (PART 6)

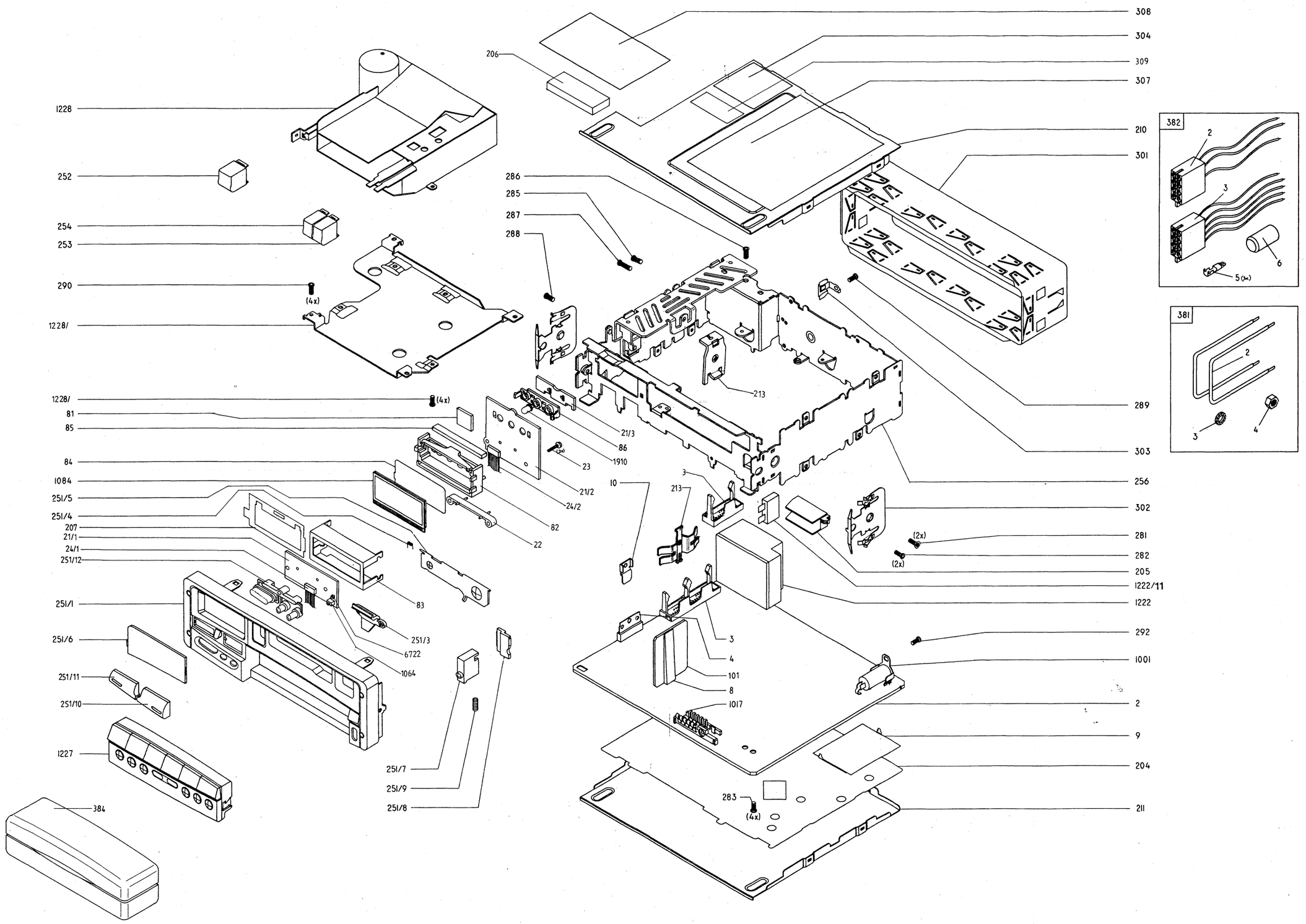
OPTION : D2B (WITH +CDCC & LINE-IN)

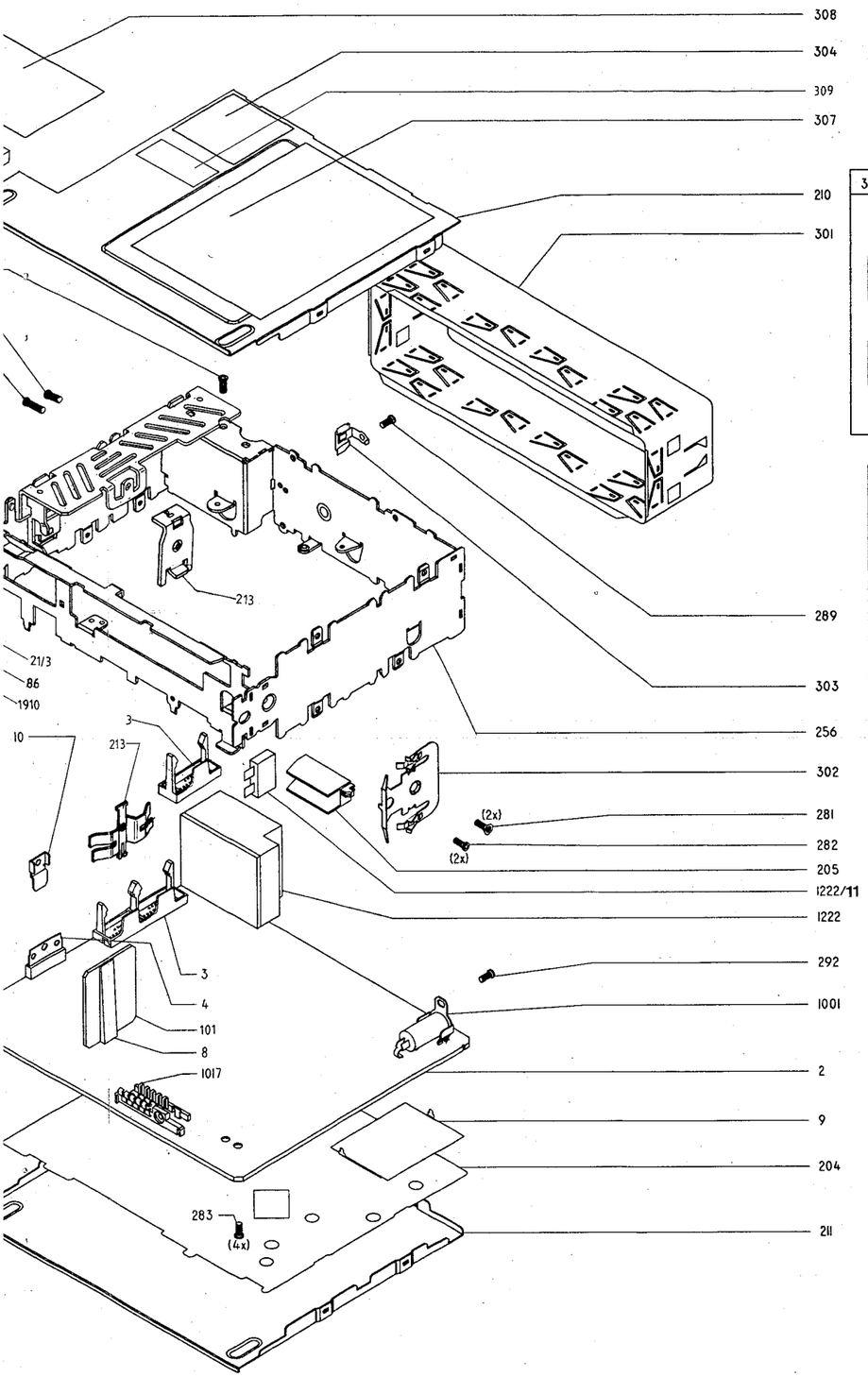
PART 10 : D2B (SUB-PCB)





EXPLODED VIEW





List of Screws

210	SCR PAN TORX TAP BK 2X8
281	SCR CSK TORX TAP M3X6
282	SCR PAN TAP M2.5X6
283	SCR PAN TAP M2.5X6
285	SCR PAN TAP M2.5X6
286	SCR PAN TAP M2.5X6
287	SCR PAN TAP M2.5X6
288	SCR PAN TAP M2.5X6
289	SCR PAN TAP M2.5X6
290	SCR PAN TAP M2.5X6
292	SCR PAN TAP M2.5X6

MECHANICAL AND MISCELLANEOUS PARTSLIST

Only those parts of which the item number is stated below are considered service parts.

205	4822 423 41249	Protection cd changer - DC632/00
252	4822 410 63084	Button eject assy
253	4822 410 63085	Button FFW assy
254	4822 410 63086	Button FRW assy
301	4822 423 90186	Sleeve
302	4822 492 71046	Spring mouting
303	4822 492 71421	Leafspring grounding - DC632/00
384	4822 600 70758	Case detachable unit
251/1	4822 459 50917	Ornamental plate
251/4	4822 492 42582	Spring flap cassette
251/5	4822 443 64396	Flap cassette
251/5	4822 443 64395	Flap cassette assy - DC632/00
251/6	4822 381 11475	Lens assy
251/7	4822 410 63083	Button release
251/8	4822 404 21297	Button release
251/10	4822 410 63645	Button volume up
251/11	4822 410 63646	Button volume down
251/12	4822 410 63647	Button cluster
381/2	4822 404 20437	Bracket mounting
382	4822 321 62722	Mounting material
1222-11	4822 071 21003	Fuse Blade 10A 32V
1227	4822 459 50843	Detachable unit - DC612/00
1227	4822 459 50864	Detachable unit - DC612//80
1227	4822 459 50918	Detachable unit - DC632/00
	4822 736 22333	DFU multi language
	4822 600 70758	Case detachable unit

FRONT PCB

MISCELLANEOUS

1050	4822 276 13454	Tact Switch Red
1051	4822 276 13454	Tact Switch Red
1052	4822 276 13454	Tact Switch Red
1053	4822 276 13454	Tact Switch Red
1054	4822 276 13454	Tact Switch Red
1055	4822 276 13454	Tact Switch Red
1056	4822 276 13454	Tact Switch Red
1057	4822 276 13454	Tact Switch Red
1058	4822 276 13454	Tact Switch Red
1059	4822 276 13454	Tact Switch Red
1060	4822 276 13454	Tact Switch Red
1061	4822 276 13454	Tact Switch Red
1062	4822 276 13454	Tact Switch Red
1063	4822 276 13454	Tact Switch Red

3738	4822 051 20223	22k 5% 0.1W
3739	4822 051 20103	10k 5% 0.1W
3740	4822 051 20223	22k 5% 0.1W
3741	4822 051 20103	10k 5% 0.1W
3743	4822 051 20222	2k2 5% 0.1W
3744	4822 051 20222	2k2 5% 0.1W
3745	4822 051 20332	3k3 5% 0.1W
3746	4822 051 20472	4k7 5% 0.1W
3748	4822 051 20222	2k2 5% 0.1W
3749	4822 051 20222	2k2 5% 0.1W
3750	4822 051 20332	3k3 5% 0.1W
3751	4822 051 20472	4k7 5% 0.1W
3752	4822 051 20821	820Ω 5% 0.1W
3753	4822 051 20821	820Ω 5% 0.1W
3754	4822 051 20821	820Ω 5% 0.1W
3755	4822 051 20821	820Ω 5% 0.1W
3756	4822 051 20102	1k 5% 0.1W

6703	4822 130 82989	LED Orange TH02400
6703	4822 130 83161	LED Green - DC612/80
6704	4822 130 82989	LED Orange TH02400
6704	4822 130 83161	LED Green - DC612/80
6705	4822 130 82989	LED Orange TH02400
6705	4822 130 83161	LED Green - DC612/80
6706	4822 130 82989	LED Orange TH02400
6706	4822 130 83161	LED Green - DC612/80
6707	4822 130 82989	LED Orange TH02400
6707	4822 130 83161	LED Green - DC612/80
6708	4822 130 82989	LED Orange TH02400
6708	4822 130 83161	LED Green - DC612/80
6709	4822 130 82989	LED Orange TH02400

6709	4822 130 83161	LED Green - DC612/80
6710	4822 130 82989	LED Orange TH02400
6710	4822 130 83161	LED Green - DC612/80
6711	4822 130 82989	LED Orange TH02400
6711	4822 130 83161	LED Green - DC612/80
6712	4822 130 82989	LED Orange TH02400
6712	4822 130 83161	LED Green - DC612/80
6713	4822 130 82989	LED Orange TH02400
6713	4822 130 83161	LED Green - DC612/80
6714	4822 130 82989	LED Orange TH02400
6714	4822 130 83161	LED Green - DC612/80
6715	4822 130 82989	LED Orange TH02400
6715	4822 130 83161	LED Green - DC612/80
6716	4822 130 82989	LED Orange TH02400
6716	4822 130 83161	LED Green - DC612/80

MAIN BOARD

MISCELLANEOUS

1001	4822 267 30883	Socket antenna
1222	4822 290 81701	Connector slide in
1222	4822 290 81641	Connector slide in - DC632/00
1300	4822 242 81503	Filter cer. 450kHz
1301	4822 242 81701	Filter cer. 10.7MHz
1302	4822 242 81701	Filter cer. 10.7MHz
1303	4822 242 81701	Filter cer. 10.7MHz
1500	4822 242 80259	Res. crystal 4.332MHz
1700	4822 242 81856	Resonator cer.11.5MHz
1701	4822 242 72579	Res cer. 4MHz
1704	4822 242 81855	Res. cer. SM 11.5MHz
1705	4822 256 30483	Connector lamp
1902	4822 253 30446	SM Fuse 2A 32V - DC632

2002	4822 252 60125	Surge protector 200V
2010	5322 122 31944	3.9pF 5% 50V
2016	5322 122 32658	22pF 5% 50V
2100	5322 122 33063	2.2pF 5% 50V
2102	4822 122 33575	220pF 5% 50V
2104	5322 122 34123	1nF 10% 50V
2105	5322 122 34123	1nF 10% 50V
2106	5322 122 34123	1nF 10% 50V
2121	4822 124 41017	10µF 16V
2200	4822 122 33496	100nF 10% 63V
2201	5322 122 34098	10nF 10% 63V
2202	4822 122 33496	100nF 10% 63V
2203	5322 122 33063	2.2pF 5% 50V
2204	5322 126 10343	1.8pF 5% 63V
2205	5322 122 33446	3.3nF 10% 63V
2206	5322 122 33244	8.2pF 5% 50V
2207	4822 126 11692	1µF 50V +80%-20%
2208	5322 122 32531	100pF 5% 50V
2209	5322 122 31946	27pF 5% 63V
2210	4822 122 33496	100nF 10% 63V
2211	5322 122 31946	27pF 5% 63V
2212	5322 122 33446	3.3nF 10% 63V
2213	4822 122 33496	100nF 10% 63V
2214	5322 122 32654	22nF 10% 63V
2215	4822 122 33496	100nF 10% 63V
2217	4822 124 23279	22µF 20% 16V
2218	4822 126 11692	1µF 50V +80%-20%
2219	4822 124 23281	33µF 20% 16V
2220	4822 124 23281	33µF 20% 16V
2221	5322 122 32452	47pF 5% 63V
2223	5322 122 34098	10nF 10% 63V
2224	5322 122 34098	10nF 10% 63V
2227	5322 126 12506	56pF 2% 63V
2228	5322 122 32287	4.7pF 5% 50V
2229	5322 122 32448	10pF 5% 50V

2230	4822 126 11692	1µF 50V +80%-20%
2231	5322 122 32448	10pF 5% 50V
2232	5322 122 32448	10pF 5% 50V
2233	5322 122 32967	5.6pF 10% 63V
2249	4822 124 80453	100µF 20% 10V
2272	5322 122 32654	22nF 10% 63V
2273	4822 126 11692	1µF 50V +80%-20%
2300	4822 126 11692	1µF 50V +80%-20%
2301	5322 122 32654	22nF 10% 63V
2302	4822 122 33496	100nF 10% 63V
2305	4822 122 33496	100nF 10% 63V
2306	4822 122 33496	100nF 10% 63V
2307	4822 122 33496	100nF 10% 63V
2308	4822 122 33496	100nF 10% 63V
2309	5322 122 34098	10nF 10% 63V
2310	5322 122 33446	3.3nF 10% 63V
2311	4822 126 13057	220nF 10% 25V
2312	4822 122 33514	68pF 5% 50V
2313	4822 126 13057	220nF 10% 25V
2314	5322 122 31866	6.8nF 10% 63V
2315	4822 122 33496	100nF 10% 63V
2316	4822 126 13057	220nF 10% 25V
2317	5322 122 31866	6.8nF 10% 63V
2318	5322 122 32654	22nF 10% 63V
2319	4822 122 33496	100nF 10% 63V
2320	4822 122 33496	100nF 10% 63V
2321	4822 122 33496	100nF 10% 63V
2322	4822 126 13057	220nF 10% 25V
2324	4822 126 13057	220nF 10% 25V
2325	5322 122 32654	22nF 10% 63V
2327	4822 124 22646	47µF 20% 16V
2328	4822 124 23279	22µF 20% 16V
2330	4822 122 33496	100nF 10% 63V
2332	4822 124 23281	33µF 20% 16V
2333	5322 122 34098	10nF 10% 63V
2340	5322 122 32448	10pF 5% 50V
2349	5322 122 34098	10nF 10% 63V
2402	5322 122 34098	10nF 10% 63V
2500	5322 122 31863	330pF 5% 50V
2501	5322 122 32268	470pF 10% 50V
2502	5322 126 10223	4.7nF 10% 63V
2503	4822 124 23504	2.2µF 20% 50V
2504	5322 122 32452	47pF 5% 63V
2505	4822 122 33515	82pF 5% 63V
2506	4822 126 13057	220nF 10% 25V
2507	5322 122 34123	1nF 10% 50V
2508	4822 124 23504	2.2µF 20% 50V
2509	4822 124 23504	2.2µF 20% 50V
2510	4822 126 13196	100nF 10% 25V
2511	4822 126 13196	100nF 10% 25V
2512	5322 122 33538	150pF 2% 63V
2513	5322 122 33538	150pF 2% 63V

2514	4822 1	
2515	5322 1	
2516	5322 1	
2518	5322 1	
2520	4822 1	
2521	5322 1	
2522	5322 1	
2523	5322 1	
2527	5322 1	
2530	5322 1	
2531	4822 1	
2532	4822 1	
2533	4822 1	
2534	4822 1	
2535	4822 1	
2537	5322 1	
2538	5322 1	
2539	4822 1	
2540	4822 1	
2541	4822 1	
2542	5322 1	
2542	5322 1	
2543	5322 1	
2544	5322 1	
2545	5322 1	
2546	4822 1	
2549	4822 1	
2553	4822 1	
2554	5322 1	
2555	5322 1	
2556	4822 1	
2557	5322 1	
2558	5322 1	
2559	5322 1	
2600	4822 1	
2601	4822 1	
2602	4822 1	
2603	4822 1	
2604	5322 1	
2605	5322 1	
2606	5322 1	
2607	5322 1	
2608	4822 1	
2611	4822 1	
2612	4822 1	
2613	4822 1	
2620	4822 1	
2651	5322 1	
2653	5322 1	
2655	4822 1	
2700	4822 1	
2701	4822 1	

MISCELLANEOUS

1001	4822 267 30883	Socket antenna
1222	4822 290 81701	Connector slide in
1222	4822 290 81641	Connector slide in - DC632/00
1300	4822 242 81503	Filter cer. 450kHz
1301	4822 242 81701	Filter cer. 10.7MHz
1302	4822 242 81701	Filter cer. 10.7MHz
1303	4822 242 81701	Filter cer. 10.7MHz
1500	4822 242 80259	Res. crystal 4.332MHz
1700	4822 242 81856	Resonator cer.11.5MHz
1701	4822 242 72579	Res cer. 4MHz
1704	4822 242 81855	Res. cer. SM 11.5MHz
1705	4822 256 30483	Connector lamp
1902	4822 253 30446	SM Fuse 2A 32V - DC632

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2002	4822 252 60125	Surge protector 200V
2010	5322 122 31944	3.9pF 5% 50V
2016	5322 122 32658	22pF 5% 50V
2100	5322 122 33063	2.2pF 5% 50V
2102	4822 122 33575	220pF 5% 50V
2104	5322 122 34123	1nF 10% 50V
2105	5322 122 34123	1nF 10% 50V
2106	5322 122 34123	1nF 10% 50V
2121	4822 124 41017	10µF 16V
2200	4822 122 33496	100nF 10% 63V
2201	5322 122 34098	10nF 10% 63V
2202	4822 122 33496	100nF 10% 63V
2203	5322 122 33063	2.2pF 5% 50V
2204	5322 126 10343	1.8pF 5% 63V
2205	5322 122 33446	3.3nF 10% 63V
2206	5322 122 33244	8.2pF 5% 50V
2207	4822 126 11692	1µF 50V +80%-20%
2208	5322 122 32531	100pF 5% 50V
2209	5322 122 31946	27pF 5% 63V
2210	4822 122 33496	100nF 10% 63V
2211	5322 122 31946	27pF 5% 63V
2212	5322 122 33446	3.3nF 10% 63V
2213	4822 122 33496	100nF 10% 63V
2214	5322 122 32654	22nF 10% 63V
2215	4822 122 33496	100nF 10% 63V
2217	4822 124 23279	22µF 20% 16V
2218	4822 126 11692	1µF 50V +80%-20%
2219	4822 124 23281	33µF 20% 16V
2220	4822 124 23281	33µF 20% 16V
2221	5322 122 32452	47pF 5% 63V
2223	5322 122 34098	10nF 10% 63V
2224	5322 122 34098	10nF 10% 63V
2227	5322 126 12506	56pF 2% 63V
2228	5322 122 32287	4.7pF 5% 50V
2229	5322 122 32448	10pF 5% 50V

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2230	4822 126 11692	1µF 50V +80%-20%
2231	5322 122 32448	10pF 5% 50V
2232	5322 122 32448	10pF 5% 50V
2233	5322 122 32967	5.6pF 10% 63V
2249	4822 124 80453	100µF 20% 10V
2272	5322 122 32654	22nF 10% 63V
2273	4822 126 11692	1µF 50V +80%-20%
2300	4822 126 11692	1µF 50V +80%-20%
2301	5322 122 32654	22nF 10% 63V
2302	4822 122 33496	100nF 10% 63V
2305	4822 122 33496	100nF 10% 63V
2306	4822 122 33496	100nF 10% 63V
2307	4822 122 33496	100nF 10% 63V
2308	4822 122 33496	100nF 10% 63V
2309	5322 122 34098	10nF 10% 63V
2310	5322 122 33446	3.3nF 10% 63V
2311	4822 126 13057	220nF 10% 25V
2312	4822 122 33514	68pF 5% 50V
2313	4822 126 13057	220nF 10% 25V
2314	5322 122 31866	6.8nF 10% 63V
2315	4822 122 33496	100nF 10% 63V
2316	4822 126 13057	220nF 10% 25V
2317	5322 122 31866	6.8nF 10% 63V
2318	5322 122 32654	22nF 10% 63V
2319	4822 122 33496	100nF 10% 63V
2320	4822 122 33496	100nF 10% 63V
2321	4822 122 33496	100nF 10% 63V
2322	4822 126 13057	220nF 10% 25V
2324	4822 126 13057	220nF 10% 25V
2325	5322 122 32654	22nF 10% 63V
2327	4822 124 22646	47µF 20% 16V
2328	4822 124 23279	22µF 20% 16V
2330	4822 122 33496	100nF 10% 63V
2332	4822 124 23281	33µF 20% 16V
2333	5322 122 34098	10nF 10% 63V
2340	5322 122 32448	10pF 5% 50V
2349	5322 122 34098	10nF 10% 63V
2402	5322 122 34098	10nF 10% 63V
2500	5322 122 31863	330pF 5% 50V
2501	5322 122 32268	470pF 10% 50V
2502	5322 126 10223	4.7nF 10% 63V
2503	4822 124 23504	2.2µF 20% 50V
2504	5322 122 32452	47pF 5% 63V
2505	4822 122 33515	82pF 5% 63V
2506	4822 126 13057	220nF 10% 25V
2507	5322 122 34123	1nF 10% 50V
2508	4822 124 23504	2.2µF 20% 50V
2509	4822 124 23504	2.2µF 20% 50V
2510	4822 126 13196	100nF 10% 25V
2511	4822 126 13196	100nF 10% 25V
2512	5322 122 33538	150pF 2% 63V
2513	5322 122 33538	150pF 2% 63V

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2514	4822 126 13196	100nF 10% 25V
2515	5322 122 33538	150pF 2% 63V
2516	5322 122 33538	150pF 2% 63V
2518	5322 122 34123	1nF 10% 50V
2520	4822 122 32636	390pF 5% 50V
2521	5322 122 34123	1nF 10% 50V
2522	5322 122 32654	22nF 10% 63V
2523	5322 122 32448	10pF 5% 50V
2527	5322 122 32268	470pF 10% 50V
2530	5322 122 32268	470pF 10% 50V
2531	4822 124 41017	10µF 16V
2532	4822 124 41017	10µF 16V
2533	4822 124 80453	100µF 20% 10V
2534	4822 124 80453	100µF 20% 10V
2535	4822 124 41017	10µF 16V
2537	5322 122 34098	10nF 10% 63V
2538	5322 122 34098	10nF 10% 63V
2539	4822 126 13188	15nF 5% 63V - DC632/00
2540	4822 126 13196	100nF 10% 25V - DC632/00
2541	4822 126 13196	100nF 10% 25V - DC632/00
2542	5322 121 42661	330nF 5% 63V - DC632/00
2542	5322 121 42661	330nF 5% 63V - DC632/00
2543	5322 121 42661	330nF 5% 63V - DC632/00
2544	5322 126 12698	4nF 72% - DC632/00
2545	5322 126 12698	4nF 72% - DC632/00
2546	4822 126 13188	15nF 5% 63V - DC632/00
2549	4822 126 13196	100nF 10% 25V - DC632/00
2553	4822 126 13196	100nF 10% 25V
2554	5322 122 34098	10nF 10% 63V
2555	5322 122 31865	1.5nF 10% 63V
2556	4822 124 23504	2.2µF 20% 50V
2557	5322 122 31865	1.5nF 10% 63V
2558	5322 126 10223	4.7nF 10% 63V
2559	5322 122 32654	22nF 10% 63V
2600	4822 124 23282	1µF 20% 50V
2601	4822 124 23282	1µF 20% 50V
2602	4822 124 23282	1µF 20% 50V
2603	4822 124 23282	1µF 20% 50V
2604	5322 126 10223	4.7nF 10% 63V
2605	5322 126 10223	4.7nF 10% 63V
2606	5322 126 10223	4.7nF 10% 63V
2607	5322 126 10223	4.7nF 10% 63V
2608	4822 124 80056	47µF 20% 16V
2611	4822 124 80056	47µF 20% 16V
2612	4822 126 13196	100nF 10% 25V
2613	4822 126 13196	100nF 10% 25V
2620	4822 124 23281	33µF 20% 16V
2651	5322 126 10223	4.7nF 10% 63V
2653	5322 126 10223	4.7nF 10% 63V
2655	4822 124 80769	2200µF 20% 16V
2700	4822 124 22646	47µF 20% 16V
2701	4822 126 13343	47nF 10% 25V

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2702	5322 122 34123	1nF 10% 50V
2703	5322 122 32268	470pF 10% 50V
2704	4822 126 13343	47nF 10% 25V
2705	5322 122 32452	47pF 5% 63V
2706	5322 122 33869	15pF 5% 63V
2707	4822 124 41017	10µF 16V
2708	4822 126 13196	100nF 10% 25V
2709	4822 126 13196	100nF 10% 25V
2710	5322 122 34123	1nF 10% 50V
2711	4822 126 13196	100nF 10% 25V
2712	5322 122 32658	22pF 5% 50V
2713	4822 122 33515	82pF 5% 63V
2714	5322 126 10223	4.7nF 10% 63V
2715	4822 122 33575	220pF 5% 50V
2716	4822 122 33575	220pF 5% 50V
2717	4822 122 33575	220pF 5% 50V
2718	4822 126 13196	100nF 10% 25V
2720	4822 126 13196	100nF 10% 25V
2721	5322 122 32654	22nF 10% 63V
2722	4822 126 13057	220nF 10% 25V
2723	5322 122 32531	100pF 5% 50V
2724	5322 122 32531	100pF 5% 50V
2726	5322 122 32531	100pF 5% 50V
2730	4822 126 13196	100nF 10% 25V
2731	4822 126 13057	220nF 10% 25V
2733	5322 122 33869	15pF 5% 63V
2734	5322 122 33869	15pF 5% 63V
2801	4822 126 13196	100nF 10% 25V
2802	4822 126 13196	100nF 10% 25V
2805	4822 126 13196	100nF 10% 25V
2806	4822 124 22646	47µF 20% 16V - DC632/00
2807	4822 126 13057	220nF 10% 25V - DC632/00
2808	4822 126 13057	220nF 10% 25V - DC632/00
2809	4822 124 23279	22µF 20% 16V - DC632/00
2810	4822 126 13196	100nF 10% 25V - DC632/00
2811	5322 122 32531	100pF 5% 50V
2812	5322 122 32654	22nF 10% 63V
2813	4822 124 80453	100µF 20% 10V
2814	4822 126 13196	100nF 10% 25V
2816	4822 122 33127	2.2nF 10% 63V
2817	4822 126 13057	220nF 10% 25V
2818	4822 126 13343	47nF 10% 25V
2819	4822 122 32646	5.6nF 10% 50V
2820	4822 124 22646	47µF 20% 16V
2821	4822 126 13196	100nF 10% 25V
2823	4822 122 33127	2.2nF 10% 63V
2824	4822 126 13057	220nF 10% 25V
2825	4822 126 13343	47nF 10% 25V
2826	4822 122 32646	5.6nF 10% 50V
2827	5322 122 34098	10nF 10% 63V
2850	4822 124 41017	10µF 16V - DC632/00
2851	4822 124 41017	10µF 16V - DC632/00

MAIN BOARD

2852	4822 124 41017	10µF 16V - DC632/00
2853	4822 124 41017	10µF 16V - DC632/00
2900	5322 122 34123	1nF 10% 50V
2902	4822 124 80769	2200µF 20% 16V
2904	4822 124 80056	47µF 20% 16V
2905	4822 126 13196	100nF 10% 25V
2906	4822 126 13196	100nF 10% 25V
2910	5322 122 34123	1nF 10% 50V
2911	4822 126 13196	100nF 10% 25V
2912	5322 122 34123	1nF 10% 50V
2913	4822 126 13196	100nF 10% 25V
2914	4822 124 80766	1000µF 20% 25V
2915	4822 124 80056	47µF 20% 16V
2916	4822 124 80056	47µF 20% 16V
2917	4822 124 80056	47µF 20% 16V
2919	4822 126 13343	47nF 10% 25V
2920	4822 124 41017	10µF 16V
2921	5322 122 33446	3.3nF 10% 63V
2928	5322 122 34098	10nF 10% 63V
2930	5322 122 32654	22nF 10% 63V
2933	4822 124 22646	47µF 20% 16V
2935	5322 122 34098	10nF 10% 63V
2936	5322 122 34098	10nF 10% 63V

3000	4822 051 20102	1k 5% 0.1W
3001	4822 051 20102	1k 5% 0.1W
3003	4822 051 20008	0Ω0 Jumper
3101	4822 051 20473	47k 5% 0.1W
3102	4822 051 20471	470Ω 5% 0.1W
3103	4822 051 20229	22Ω 5% 0.1W
3104	4822 051 20478	4Ω7 5% 0.1W
3105	4822 051 20229	22Ω 5% 0.1W
3106	4822 051 20478	4Ω7 5% 0.1W
3107	4822 051 20225	2M2 5% 0.1W
3108	4822 051 20104	100k 5% 0.1W
3110	4822 051 20229	22Ω 5% 0.1W
3200	4822 051 20392	3k9 5% 0.1W
3201	4822 051 20222	2k2 5% 0.1W
3202	4822 051 20103	10k 5% 0.1W
3203	4822 051 20221	220Ω 5% 0.1W
3204	4822 051 20471	470Ω 5% 0.1W
3205	4822 051 20471	470Ω 5% 0.1W
3206	4822 051 20101	100Ω 5% 0.1W
3207	4822 051 20473	47k 5% 0.1W
3208	4822 051 20103	10k 5% 0.1W
3209	4822 051 20103	10k 5% 0.1W
3210	4822 051 20225	2M2 5% 0.1W
3211	4822 051 20479	47Ω 5% 0.1W
3212	4822 051 20229	22Ω 5% 0.1W

3213	4822 051 20478	4Ω7 5% 0.1W
3270	4822 051 20471	470Ω 5% 0.1W
3290	4822 051 20224	220k 5% 0.1W
3292	4822 051 20229	22Ω 5% 0.1W
3300	4822 051 20123	12k 5% 0.1W
3301	4822 051 20225	2M2 5% 0.1W
3302	4822 051 20333	33k 5% 0.1W
3303	4822 100 20166	10k 30%LIN 0.1W
3307	4822 051 20432	4k3 5% 0.1W
3308	4822 051 20224	220k 5% 0.1W
3309	4822 117 11149	82k 1% 0.1W
3310	4822 051 20684	680k 5% 0.1W
3313	4822 051 20124	120k 5% 0.1W
3314	4822 051 20564	560k 5% 0.1W
3315	4822 051 20684	680k 5% 0.1W
3316	4822 051 20225	2M2 5% 0.1W
3317	4822 051 20273	27k 5% 0.1W
3318	4822 051 20391	390Ω 5% 0.1W
3320	4822 100 11163	100k 30%LIN 0.1W
3321	4822 100 11163	100k 30%LIN 0.1W
3323	4822 051 20391	390Ω 5% 0.1W
3324	4822 051 20272	2k7 5% 0.1W
3325	4822 051 20101	100Ω 5% 0.1W
3326	4822 051 20391	390Ω 5% 0.1W
3327	4822 051 20681	680Ω 5% 0.1W
3341	4822 051 20479	47Ω 5% 0.1W
3348	4822 051 20681	680Ω 5% 0.1W
3349	4822 051 20223	22k 5% 0.1W
3350	4822 051 20102	1k 5% 0.1W
3351	4822 051 20333	33k 5% 0.1W
3409	4822 051 20473	47k 5% 0.1W
3410	4822 051 20103	10k 5% 0.1W
3411	4822 051 20472	4k7 5% 0.1W
3412	4822 051 20104	100k 5% 0.1W
3500	4822 051 20104	100k 5% 0.1W
3501	4822 051 20229	22Ω 5% 0.1W
3502	4822 051 20222	2k2 5% 0.1W
3503	4822 051 20104	100k 5% 0.1W
3504	4822 051 20683	68k 5% 0.1W
3505	4822 051 20223	22k 5% 0.1W
3506	4822 051 20334	330k 5% 0.1W
3507	4822 051 20229	22Ω 5% 0.1W
3508	4822 051 20103	10k 5% 0.1W
3509	4822 051 20393	39k 5% 0.1W
3510	4822 051 20332	3k3 5% 0.1W
3511	4822 051 20332	3k3 5% 0.1W
3512	4822 051 20103	10k 5% 0.1W
3513	4822 051 20393	39k 5% 0.1W
3514	4822 051 20103	10k 5% 0.1W
3515	4822 051 20393	39k 5% 0.1W
3516	4822 051 20103	10k 5% 0.1W
3517	4822 051 20393	39k 5% 0.1W

3518	4822 051 20008	0Ω0 Jumper - DC632/00
3519	4822 051 20393	39k 5% 0.1W
3520	4822 051 20223	22k 5% 0.1W - DC632/00
3521	4822 051 20224	220k 5% 0.1W
3522	4822 051 20104	100k 5% 0.1W
3533	4822 051 20103	10k 5% 0.1W - DC612
3523	4822 051 20103	10k 5% 0.1W - DC632/00
3524	4822 116 81437	5Ω6 5% 0.5W
3525	4822 051 20102	1k 5% 0.1W
3526	4822 116 81437	5Ω6 5% 0.5W
3527	4822 116 52244	15k 5% 0.5W
3528	4822 051 20223	22k 5% 0.1W
3529	4822 051 20103	10k 5% 0.1W
3530	4822 051 20222	2k2 5% 0.1W
3531	4822 051 20473	47k 5% 0.1W
3532	4822 051 20222	2k2 5% 0.1W
3534	4822 051 20184	180k 5% 0.1W - DC632/00
3535	4822 051 20471	470Ω 5% 0.1W
3536	4822 116 81437	5Ω6 5% 0.5W
3538	4822 051 20471	470Ω 5% 0.1W - DC632/00
3539	4822 051 20471	470Ω 5% 0.1W - DC632/00
3540	4822 100 11681	1k 30% 0.1W - DC632/00
3541	4822 051 20822	8k2 5% 0.1W
3542	4822 051 20334	330k 5% 0.1W
3543	4822 100 11681	1k 30% 0.1W - DC632/00
3544	4822 051 20822	8k2 5% 0.1W
3545	4822 051 20334	330k 5% 0.1W
3548	4822 051 20103	10k 5% 0.1W - DC632/00
3549	4822 117 11139	1k5 1% 0.1W - DC632/00
3550	4822 051 20153	15k 5% 0.1W - DC632/00
3551	4822 051 20684	680k 5% 0.1W - DC632/00
3552	4822 051 20473	47k 5% 0.1W - DC632/00
3553	4822 117 10507	24k 1% 0.1W - DC632/00
3554	4822 117 10507	24k 1% 0.1W - DC632/00
3555	4822 051 20184	180k 5% 0.1W - DC632/00
3556	4822 051 20184	180k 5% 0.1W - DC632/00
3557	4822 051 20274	270k 5% 0.1W - DC632/00
3558	4822 051 20274	270k 5% 0.1W - DC632/00
3559	4822 117 11139	1k5 1% 0.1W - DC632/00
3560	4822 116 52176	10Ω 5% 0.5W
3562	4822 051 20153	15k 5% 0.1W
3563	4822 051 20102	1k 5% 0.1W - DC612
3564	4822 051 20102	1k 5% 0.1W - DC612
3565	4822 051 20473	47k 5% 0.1W - DC632/00
3566	4822 116 83863	1k 5% 0.5W - DC632/00
3568	4822 051 20683	68k 5% 0.1W
3569	4822 051 20103	10k 5% 0.1W
3570	4822 051 20471	470Ω 5% 0.1W
3571	4822 051 20332	3k3 5% 0.1W
3572	4822 051 20472	4k7 5% 0.1W
3573	4822 117 11139	1k5 1% 0.1W - DC612
3575	4822 051 20478	4Ω7 5% 0.1W - DC632/00

3576	4822 051 20473	47k 5% 0.1W - DC632/00
3577	4822 051 20822	8k2 5% 0.1W
3581	4822 051 20153	15k 5% 0.1W - DC612
3578	4822 051 20101	100Ω 5% 0.1W - DC632/00
3579	4822 051 20473	47k 5% 0.1W - DC632/00
3580	4822 116 52284	47k 5% 0.5W - DC632/00
3605	4822 051 20102	1k 5% 0.1W
3607	4822 051 20223	22k 5% 0.1W
3608	4822 051 20102	1k 5% 0.1W
3609	4822 051 20102	1k 5% 0.1W
3610	4822 051 20102	1k 5% 0.1W
3611	4822 051 20102	1k 5% 0.1W
3617	4822 051 20008	0Ω0 Jumper
3619	4822 051 20008	0Ω0 Jumper
3620	4822 051 20683	68k 5% 0.1W
3621	4822 051 20683	68k 5% 0.1W
3622	4822 051 20472	4k7 5% 0.1W
3623	4822 051 20682	6k8 5% 0.1W
3624	4822 051 20153	15k 5% 0.1W
3629	4822 051 20472	4k7 5% 0.1W
3630	4822 116 40254	PTC 330Ω 16V
3650	4822 051 20102	1k 5% 0.1W
3651	4822 051 20102	1k 5% 0.1W
3702	4822 051 20473	47k 5% 0.1W
3704	4822 051 20101	100Ω 5% 0.1W
3705	4822 051 20102	1k 5% 0.1W
3706	4822 051 20102	1k 5% 0.1W
3708	4822 051 20478	4Ω7 5% 0.1W
3710	4822 051 20102	1k 5% 0.1W
3711	4822 051 20102	1k 5% 0.1W
3715	4822 051 20478	4Ω7 5% 0.1W
3717	4822 051 20103	10k 5% 0.1W
3718	4822 051 20103	10k 5% 0.1W
3719	4822 051 20682	6k8 5% 0.1W
3720	4822 051 20682	6k8 5% 0.1W
3722	4822 051 20103	10k 5% 0.1W
3723	4822 051 20101	100Ω 5% 0.1W
3724	4822 051 20225	2M2 5% 0.1W
3725	4822 051 20222	2k2 5% 0.1W
3728	4822 051 20153	15k 5% 0.1W
3729	4822 051 20153	15k 5% 0.1W
3731	4822 051 20104	100k 5% 0.1W
3732	4822 051 20104	100k 5% 0.1W
3733	4822 051 20103	10k 5% 0.1W
3734	4822 051 20103	10k 5% 0.1W
3735	4822 051 20103	10k 5% 0.1W
3736	4822 051 20104	100k 5% 0.1W
3767	4822 051 20478	4Ω7 5% 0.1W
3769	4822 051 20103	10k 5% 0.1W
3770	4822 051 20102	1k 5% 0.1W
3771	4822 051 20103	10k 5% 0.1W
3773	4822 051 20102	1k 5% 0.1W

MAIN BOARD

3800	4822 051 20105	1M 5% 0.1W
3817	4822 051 20393	39k 5% 0.1W
3818	4822 051 20473	47k 5% 0.1W
3819	4822 051 20222	2k2 5% 0.1W
3820	4822 051 20473	47k 5% 0.1W
3821	4822 051 20222	2k2 5% 0.1W
3822	4822 051 20102	1k 5% 0.1W
3823	4822 051 20102	1k 5% 0.1W
3824	4822 051 20393	39k 5% 0.1W
3826	4822 051 20104	100k 5% 0.1W
3829	4822 051 20332	3k3 5% 0.1W
3830	4822 051 20332	3k3 5% 0.1W - DC632/00
3850	4822 051 20103	10k 5% 0.1W - DC632/00
3851	4822 051 20103	10k 5% 0.1W - DC632/00
3852	4822 051 20103	10k 5% 0.1W - DC632/00
3853	4822 051 20103	10k 5% 0.1W - DC632/00
3902	4822 051 20104	100k 5% 0.1W
3903	4822 051 20472	4k7 5% 0.1W
3904	4822 116 83863	1k 5% 0.5W
3905	4822 116 83863	1k 5% 0.5W
3906	4822 116 83863	1k 5% 0.5W
3907	4822 051 20102	1k 5% 0.1W
3916	4822 051 20103	10k 5% 0.1W
3918	4822 051 20473	47k 5% 0.1W
3919	4822 051 20223	22k 5% 0.1W
3920	4822 051 20222	2k2 5% 0.1W
3921	4822 051 20224	220k 5% 0.1W
3922	4822 051 20104	100k 5% 0.1W
3924	4822 051 20473	47k 5% 0.1W
3928	4822 051 20103	10k 5% 0.1W
3929	4822 116 52285	470k 5% 0.5W
3930	4822 051 20104	100k 5% 0.1W
3931	4822 051 20473	47k 5% 0.1W
3932	4822 051 20104	100k 5% 0.1W
3933	4822 051 20224	220k 5% 0.1W
3934	4822 051 20478	4Ω7 5% 0.1W
3937	4822 051 20182	1k8 5% 0.1W
3938	4822 051 20102	1k 5% 0.1W
3939	4822 051 20182	1k8 5% 0.1W
3945	4822 051 20472	4k7 5% 0.1W
3949	4822 051 20102	1k 5% 0.1W
3952	4822 051 20101	100Ω 5% 0.1W
3955	4822 051 20473	47k 5% 0.1W
3956	4822 051 20103	10k 5% 0.1W
3960	4822 116 40216	PTC 4Ω7 56V 20%
3962	4822 051 20182	1k8 5% 0.1W
3984	4822 051 20008	0Ω0 Jumper

4300	4822 242 81698	Res crystal 61.50MHz

5100	4822 157 71482	Ind. Var. 7MM 57MHz
5200	4822 157 62593	Ind. Fxd. 220µH 1%
5201	4822 157 71059	Ind Var 7MM 100MHz
5202	4822 157 52983	Ind Fxd 22µH 1%
5203	4822 157 53473	Ind Fxd 1000µH 1%
5205	4822 157 52983	Ind Fxd 22µH 1%
5206	4822 157 71057	Ind Var 47000µH 6%
5207	4822 157 71058	Filter Var KZV-353
5208	4822 156 21722	Ind Var 7CGL 10.7MHz
5209	4822 157 71055	Ind Var 72.2MHz
5210	4822 157 71055	Ind Var 72.2MHz
5211	4822 156 21721	Ind LAL02 2.2µH 1%
5212	4822 156 21719	Ind LAL02 1.5µH 1%
5301	4822 156 21724	Ind Var 7CGL 450kHz
5302	4822 157 71061	Ind Var 10.7MHz
5700	4822 157 50961	Ind LAL04 22µH 1%
5701	4822 157 60122	Ind LAL02 4.7µH 1%
5702	4822 157 71206	Ind Fxd SM 100MHz
5703	4822 157 60122	Ind LAL02 4.7µH 1%
5704	4822 157 71206	Ind Fxd SM 100MHz
5705	4822 157 71206	Ind Fxd SM 100MHz
5900	4822 157 70935	Coil assy
5903	4822 157 50961	Ind LAL04 22µH 1%

6100	4822 130 81711	SM DIODE 1SV172
6102	4822 130 81643	BB804
6200	5322 130 34337	BAV99
6401	5322 130 31928	BAS16
6500	5322 130 34337	BAV99
6507	5322 130 34337	BAV99
6702	4822 130 82996	LED
6705	5322 130 80255	BZX84-C8V2
6706	5322 130 80255	BZX84-C8V2
6801	5322 130 31928	BAS16
6901	5322 130 30684	1N4002GPE
6905	4822 130 31024	BZX79-C18
6906	4822 130 30621	1N4148
6907	5322 130 30684	1N4002GPE
6908	5322 130 80255	BZX84-C8V2
6909	5322 130 31928	BAS16
6910	5322 130 30684	1N4002GPE
6911	4822 130 81624	1.5KE27
6912	5322 130 30684	1N4002GPE
6913	5322 130 30684	1N4002GPE
6915	4822 130 34173	BZX79-C5V6
6916	4822 130 34173	BZX79-C5V6
6917	5322 130 34337	BAV99
6918	5322 130 31928	BAS16
6919	5322 130 31928	BAS16

6922	4822 130 82989	LED Orange TH02400
6922	4822 130 83161	LED Green - DC612/80

7100	4822 130 63545	BF999
7200	4822 130 83614	BB135
7201	4822 130 63534	PMBFJ309
7202	4822 209 33168	TEA6811V/C2/R1
7300	4822 209 33167	TEA6821T/V2
7301	4822 130 60887	BF840
7403	4822 130 42705	BC847
7500	4822 209 31981	SAA6579T/V1
7501	4822 209 83159	LA2000
7502	4822 209 32742	TL074IN
7503	4822 130 42705	BC847
7505	4822 130 42615	BC817-40 - DC632/00
7506	4822 130 44283	BC636
7510	4822 209 33237	TEA0677T/V1 - DC612
7507	4822 130 42705	BC847 - DC632/00
7508	5322 130 60508	BC857B - DC632/00
7509	4822 130 42705	BC847 - DC632/00
7511	4822 209 32744	TEA0675T/V1 - DC632/00
7513	4822 130 42705	BC847 - DC632/00
7514	4822 130 42705	BC847 - DC632/00
7602	4822 209 31132	TDA7374V
7603	4822 209 31132	TDA7374V
7606	4822 130 42705	BC847
7607	5322 130 60508	BC857B
7700	4822 209 90075	P83CE558EFB/034 F4+AS-R2.0
7702	4822 209 90074	P83C528FFB/109 F4+AS-R2.0
7703	5322 130 60508	BC857B
7704	4822 900 10595	ST24C16CB6-DC612
7704	4822 900 10596	ST24C16CB6-DC632
7708	5322 209 11461	HEF4521BT - DC632/00
7708	5322 209 11461	HEF4521BT
7800	4822 209 32745	TEA6320/V1
7801	4822 209 33985	TDA8579T/N1 - DC632/00
7803	4822 130 42705	BC847
7804	5322 130 60508	BC857B
7850	4822 130 63747	DTC314TK - DC632/00
7851	4822 130 63747	DTC314TK - DC632/00
7852	4822 130 63747	DTC314TK - DC632/00
7853	4822 130 63747	DTC314TK - DC632/00
7904	4822 130 40995	BD438/366B
7905	4822 130 42705	BC847
7909	4822 130 42705	BC847
7910	4822 209 33029	TDA3602/N3
7913	5322 130 60508	BC857B

7918	4822 130 42705	BC847
7919	4822 130 40982	BD433
7919	4822 130 63539	BD241C - DC612/80
7921	4822 209 12628	HEF4044BT

LCD/KEYBOARD BOARD

MISCELLANEOUS

1064	4822 276 13454	Tact Switch 50MA 12V
1065	4822 276 13454	Tact Switch 50MA 12V
1066	4822 276 13454	Tact Switch 50MA 12V
1067	4822 276 13454	Tact Switch 50MA 12V
1068	4822 276 13454	Tact Switch 50MA 12V
1704	4822 130 91453	LCD LPH6260-1
1910	4822 134 41212	Lamp assy Orange
1910	4822 134 41215	Lamp assy - DC612/80
1911	4822 134 41212	Lamp assy Orange
1911	4822 134 41215	Lamp assy - DC612/80
1912	4822 134 41212	Lamp assy Orange
1912	4822 134 41215	Lamp assy - DC612/80

2738	4822 126 13196	100nF 10% 25V

3757	4822 051 20182	1k8 5% 0.1W - DC612/80
3757	4822 051 20272	2k7 5% 0.1W
3758	4822 051 20182	1k8 5% 0.1W - DC612/80
3758	4822 051 20272	2k7 5% 0.1W
3759	4822 051 20182	1k8 5% 0.1W - DC612/80
3759	4822 051 20272	2k7 5% 0.1W
3760	4822 051 20182	1k8 5% 0.1W - DC612/80
3760	4822 051 20272	2k7 5% 0.1W
3761	4822 051 20182	1k8 5% 0.1W - DC612/80
3761	4822 051 20272	2k7 5% 0.1W
3762	4822 051 20182	1k8 5% 0.1W - DC612/80
3762	4822 051 20272	2k7 5% 0.1W
3763	4822 051 20332	3k3 5% 0.1W
3763	4822 051 20182	1k8 5% 0.1W - DC612/80
3764	4822 051 20332	3k3 5% 0.1W
3764	4822 051 20182	1k8 5% 0.1W - DC612/80
3765	4822 051 20332	3k3 5% 0.1W
3765	4822 051 20182	1k8 5% 0.1W - DC612/80
3766	4822 051 20123	12k 5% 0.1W
3766	4822 051 20472	4k7 5% 0.1W - DC612/80
3767	4822 051 20103	10k 5% 0.1W
3767	4822 051 20822	8k2 5% 0.1W - DC612/80
3768	4822 051 20223	22k 5% 0.1W
3768	4822 051 20333	33k 5% 0.1W - DC612/80
3769	4822 051 20103	10k 5% 0.1W
3770	4822 051 20102	1k 5% 0.1W
3771	4822 051 20184	180k 5% 0.1W
3790	4822 051 20008	0Ω0 Jumper - DC612/80
3791	4822 051 20008	0Ω0 Jumper - DC612/80

6722	4822 130 82989	LED Orange
6722	4822 130 83161	LED Green - DC612/80
6723	4822 130 82989	LED Orange
6723	4822 130 83161	LED Green - DC612/80
6724	4822 130 82989	LED Orange
6724	4822 130 83161	LED Green - DC612/80
6725	4822 130 82989	LED Orange
6725	4822 130 83161	LED Green - DC612/80
6726	4822 130 82989	LED Orange
6726	4822 130 83161	LED Green - DC612/80

7711	5322 209 11129	PCF8576T
7712	5322 209 11129	PCF8576T - DC612/80

D²B BOARD (DC632 ONLY)

MISCELLANEOUS

1703	4822 242 81659	CST5.75MHz

2727	5322 121 42386	100nF 5% 63V
2728	5322 121 42386	100nF 5% 63V
2729	5322 121 42386	100nF 5% 63V

3747	4822 116 83863	1k 5% 0.5W
3757	4822 116 52175	100Ω 5% 0.5W
3758	4822 116 40221	8Ω2 20%
3759	4822 116 40221	8Ω2 20%
3761	4822 116 83864	10k 5% 0.5W
3762	4822 116 52176	10Ω 5% 0.5W
3768	4822 116 83863	1k 5% 0.5W
3769	4822 116 83863	1k 5% 0.5W

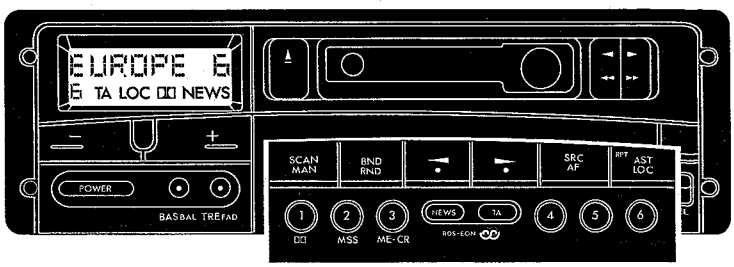
6720	4822 130 32904	BZV85-C5V6
6721	4822 130 32904	BZV85-C5V6

7707	4822 209 32743	MSM6307GS-VK

PHIL -05894

Cassette Car Radio 90DC632/50/80

Service
Service
Service



For repair information of the Cassette deck see Service Manual of Auto Cassette Deck CDS-101XPF. 5033

Service Manual

12 V

90DC632/50

For 90DC632/50, please refer to 90DC632/00 (4822 725 23445). 4405

90DC632/80

For **90DC632/80**, please refer to 90DC632/00 (4822 725 23445) with the following modifications:

90DC632/80 is equivalent to 90DC632/00 except illumination change to Green.

1 Changed :

1227	4822 459 50947	Detachable unit
6922	4822 130 83161	LED Green (Main PCB)
7919	4822 130 63539	BD241C (Main PCB)
1910 to 1912	4822 134 41215	Lamp assy (LCD/Keyboard PCB)
6722 to 6726	4822 130 83161	LED green (LCD/Keyboard PCB)
6703 to 6716	4822 130 83161	LED Green (Detachable front PCB)

2 Deleted :

7711 (LCD/Keyboard PCB)

3 Added :

3790, 3791	4822 051 20008	0Ω jumper (Main PCB)
7712	5322 209 11129	PCF8576T (Main PCB)

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4822 725 23449

PCS 77 583

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Car cassette deck CDS-101SPF

Service
Service
Service

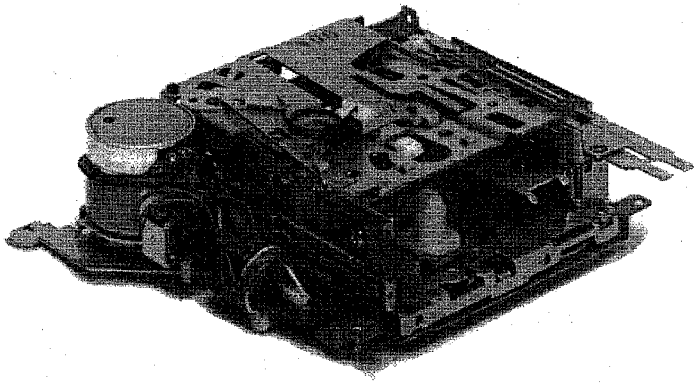
ERSATZTEILE
für Philips Car Systems
erhalten Sie bei:
KiVi Service GmbH
Windmühlenstr. 41 · 31178 Giesen/Emmerke
Tel.: 05121/60020 · Fax 05121/60254

CDS-101WPF
CDS-101XPF
CDS-101YPF

PHIL-05033

Service Manual

12 V



TECHNICAL DATA

Operating voltage	: 10-16V
Tape speed	: 4.76cm/sec ±2%
Wow & flutter	: ≤0.35% RMS (+10 - +45$C)
Crosstalk (track 2-3)	: <-40dB
Fast wind time	: ≤100secs (C-60)
Number of tracks	: 2x2
Channel separation (Tracks 1-2/3-4)	: >30dB

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PCS 81 204

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GENERAL

The CDS-101 is supplied in 4 versions:

a. CDS-101SPF: Standard version.
b. CDS-101WPF: As CDS-101SPF version, with "Key-Off/A.M.S." and tape selector included.
c. CDS-101XPF: As CDS-101SPF version, with "Key-Off/A.M.S." and "Real-Time FF/REW" included.
d. CDS-101YPF: As CDS-101SPF version, with "Key-Off/A.M.S.", "Real-Time FF/REW" and tape selector included.

(A.M.S. = Automatic Music sensor System)

CONNECTIONS

CDS-101SPF/WPF/YPF
(* WPF/YPF version only; SPF version: N.C.)

Pin no.	Wire colour	Signal
1	--	--
2	--	--
3	Brown	GND
4	Red	+ 14.2 VDC
5	Orange	N.C.
6	Yellow	Play switch
7	Green	Mute switch
8	Blue	Track switch
9	Purple	Solenoid*
10	Grey	N.C.
11	White	Me/Cr sw.*

CDS101-XPF

Pin no.	Wire colour	Signal
1	Brown	GND
2	Red	+ 14.2 VDC
3	Orange	N.C.
4	Yellow	Play switch
5	Green	Mute switch
6	Blue	Track switch
7	Purple	Solenoid
8	Grey	N.C.
9	White	N.C.

HEAD CONNECTIONS

(all versions)

Pin no.	Wire colour	Signal
1	Black	GND
2	White	Left out
3	Pink	Right out

MAINTENANCE

The cassette mechanism requires periodic cleaning.

Cleaning with alcohol or spirit

- Playback head pos.109.
- Capstan & pressure rollers pos.10, 11 and 27.
- Belt (pos.105) & pulley (pos.73).

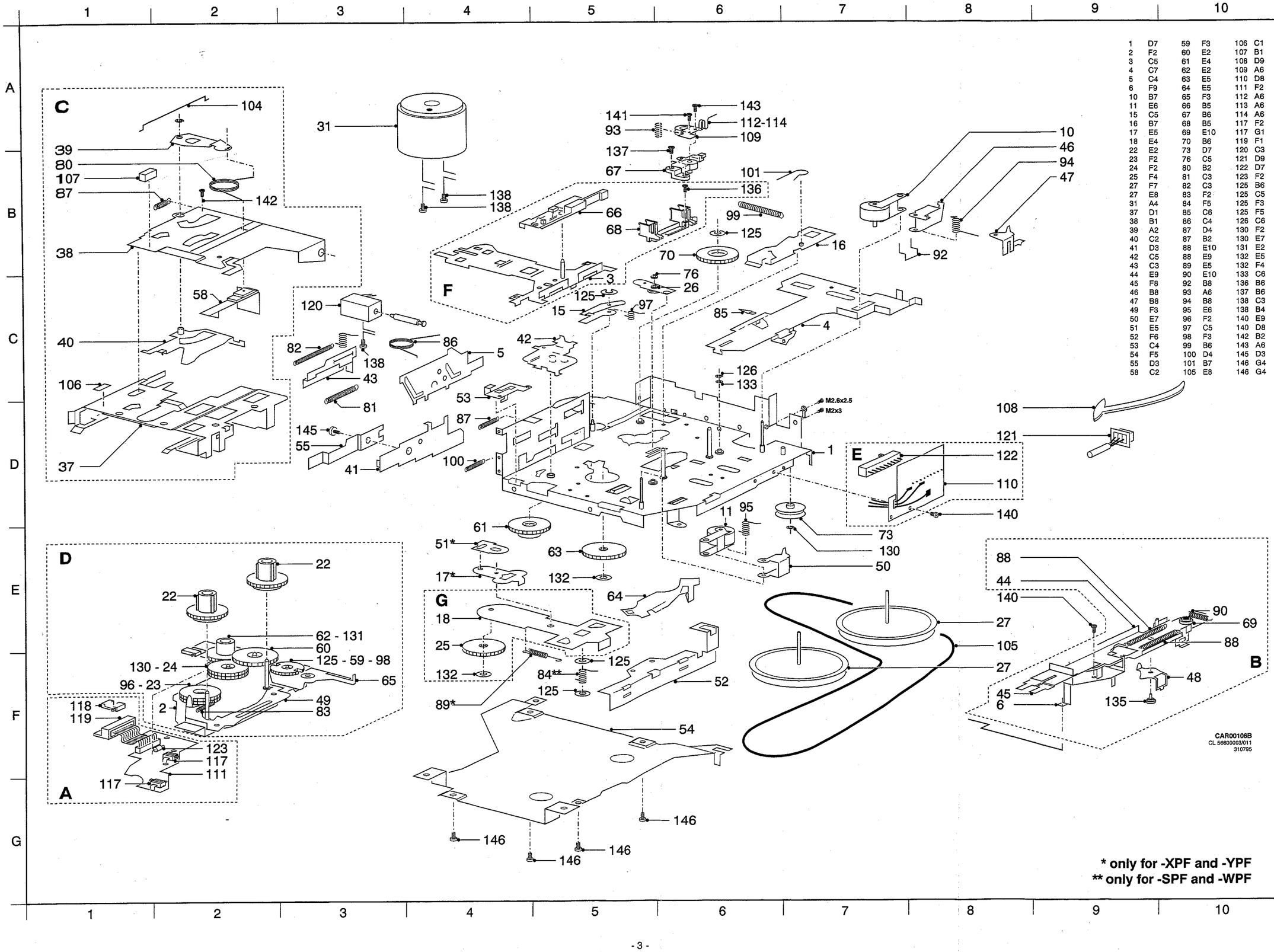
To clean head, pressure roller and capstan, it is also possible to use drop-in cassette SBC114 (4822 389 20035).

ADJUSTMENTS AND CHECKS

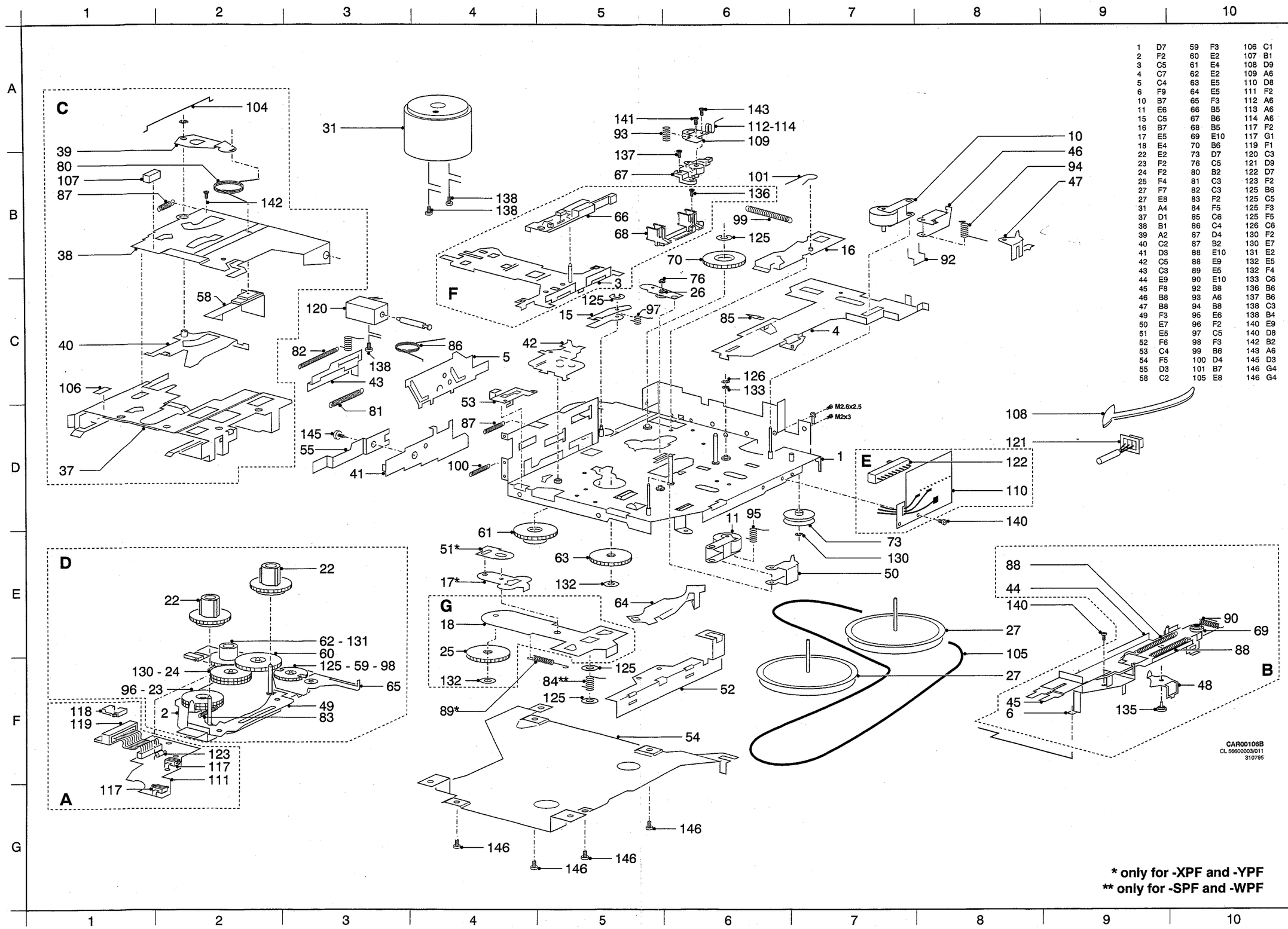
Equipment required:
- Universal test cassette SBC419 (4822 397 30069)
- Universal test cassette SBC420 (4822 397 30071)
- Friction test cassette 811/CTM (4822 395 30054)
- Spring scale 50-500g (4822 395 80028)
- Wow & flutter meter
- AC millivoltmeters

1. Azimuth (Fig. 1 - next page)

Azimuth alignment should be carried out on a complete car radio; proceed as follows:
- Connect the millivoltmeters to the loudspeaker outputs.
- Insert test cassette SBC419 (or SBC420), select NOR (normal play) and play the 10kHz signal.
- Adjust Azimuth screw "FWD DIRECTION" (pos. 137) for equal and maximum output voltage reading for both right and left channel.
- Switch to REV (reverse play) and play the 10kHz signal.
- Repeat the adjustment with screw "REV DIRECTION" (pos.137).



1	D7	59	F3	106	C1
2	F2	60	E2	107	B1
3	C5	61	E4	108	D9
4	C7	62	E2	109	A6
5	C4	63	E5	110	D8
6	F9	64	E5	111	F2
10	B7	65	F3	112	A6
11	E6	66	B5	113	A6
15	C5	67	B6	114	A6
16	B7	68	B5	117	F2
17	E5	69	E10	117	G1
18	E4	70	B6	119	F1
22	E2	73	D7	120	C3
23	F2	76	C5	121	D9
24	F2	80	B2	122	D7
25	F4	81	C3	123	F2
27	F7	82	C3	125	B6
27	E8	83	F2	125	C5
31	A4	84	F5	125	F3
37	D1	85	C6	125	F5
38	B1	86	C4	126	C6
39	A2	87	D4	130	F2
40	C2	87	B2	130	E7
41	D3	88	E10	131	E2
42	C5	88	E9	132	E5
43	C3	89	E5	132	F4
44	E9	90	E10	133	C6
45	F8	92	B8	136	B6
46	B8	93	A6	137	B6
47	B8	94	B8	138	C3
49	F3	95	E6	138	B4
50	E7	96	F2	140	E9
51	E5	97	C5	140	D8
52	F6	98	F3	142	B2
53	C4	99	B6	143	A6
54	F5	100	D4	145	D3
55	D3	101	B7	146	G4
58	C2	105	E8	146	G4



1	D7	59	F3	106	C1
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4	C7	62	E2	109	A6
5	C4	63	E5	110	D8
6	F9	64	E5	111	F2
10	B7	65	F3	112	A6
11	E6	66	B5	113	A6
15	C5	67	B6	114	A6
16	B7	68	B5	117	F2
17	E5	69	E10	117	G1
18	E4	70	B6	119	F1
22	E2	73	D7	120	C3
23	F2	76	C5	121	D9
24	F2	80	B2	122	D7
25	F4	81	C3	123	F2
27	F7	82	C3	125	B6
27	E8	83	F2	125	C5
31	A4	84	F5	125	F3
37	D1	85	C6	125	F5
38	B1	86	C4	126	C6
39	A2	87	D4	130	F2
40	C2	87	B2	130	E7
41	D3	88	E10	131	E2
42	C5	88	E9	132	E5
43	C3	89	E5	132	F4
44	E9	90	E10	133	C6
45	F8	92	B8	136	B6
46	B8	93	A6	137	B6
47	B8	94	B8	138	C3
49	F3	95	E6	138	B4
50	E7	96	F2	140	E9
51	E5	97	C5	140	D8
52	F6	98	F3	142	B2
53	C4	99	B6	143	A6
54	F5	100	D4	145	D3
55	D3	101	B7	146	G4
58	C2	105	E8	146	G4

PARTSLIST

10	4822 528 81548	PINCH ROLLER FW	
11	4822 528 81549	PINCH ROLLER REV	
22	4822 528 10913	REEL ASSY	
27	4822 528 60429	FLYWHEEL ASSY	
31	4822 361 30456	MOTOR ASSY	
61	4822 522 33539	REDUCTION GEAR (A)	
63	4822 522 33541	IDLER GEAR (A)	
70	4822 522 33542	LOAD GEAR	WPF, XPF, YPF
73	4822 528 81551	IDLER PULLEY (A)	
86	4822 492 42753	RESET ARM SPRING	SPF
86	4822 492 42756	RESET ARM SPRING (K)	WPF, XPF, YPF
89	4822 492 33485	POS. SETTER SPRING	XPF, YPF
93	4822 492 33486	ADJUSTER ARM SPRING	
94	4822 492 42754	PINCH ROLLER SPG FW	
95	4822 492 42755	PINCH ROLLER SPG REW	
99	4822 492 33487	LOAD LEVER SPRING '	WPF, XPF, YPF
100	4822 492 33488	TAPE SELECTOR SPRING	WPF, YPF
101	4822 492 42757	LOAD LEVER SPRING (B)	WPF, XPF, YPF
105	4822 358 31326	BELT	
109	4822 249 30219	HEAD	
120	4822 281 50188	SOLENOID	WPF, XPF, YPF
123	4822 130 83863	DIODE	WPF, XPF, YPF
125	4822 530 80699	E-RING 1.5MM	
126	4822 530 80701	E-RING 1.6MM	
132	4822 530 70629	PLATE 2.1X4MM	
133	4822 530 70628	PLATE 2.1X3.2MM	
137	4822 502 21608	AZIMUTH SCREW	
143	4822 502 21607	AZIMUTH SCREW (B)	

COMPLETE DECKS

4822 691 10436	CDS-101SPF COMPLETE
4822 691 10437	CDS-101WPF COMPLETE
4822 691 10435	CDS-101XPF COMPLETE
4822 691 10434	CDS-101YPF COMPLETE

ASSEMBLIES

A	4822 276 13605	POWER SWITCH ASSY	SPF
A	4822 276 13604	POWER SWITCH ASSY	WPF, YPF
A	4822 276 13606	POWER SWITCH ASSY	XPF
B	4822 404 21342	LEVER BRACKET ASSY	
C	4822 256 92307	CASSETTE HOLDER ASSY	
D	4822 528 10915	REEL BASE ASSY	SPF
D	4822 528 10916	REEL BASE ASSY	WPF, XPF, YPF
E	4822 214 52263	SWITCH PCB ASSY	
F	4822 466 83197	HEAD PLATE ASSY	
G	4822 404 21343	F/R ARM ASSY	SPF, WPF
G	4822 404 21344	F/R ARM ASSY	XPF, YPF

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Car cassette deck CDS-101XPS2

Service
Service
Service

Supplement

ServiceManual

12 V

GENERAL

This supplement manual should be used together with the CDS-101 service manual 4822 725 24651.
Refer for:
- technical specifications
- maintenance
- checks & adjustments and
- disassembly procedure

to that manual.

The CDS-101XPS2 has the following differences with respect to the CDS-101XPS:
- additional wire cover on the lever bracket assy (pos.B); see exploded view
- a different signal connector pos. 119; see also exploded view
- diode pos. 123 is left out.

This supplement contains:
- connector layout
- an adapted exploded view and
- parts list.

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PCS 91 015 GB

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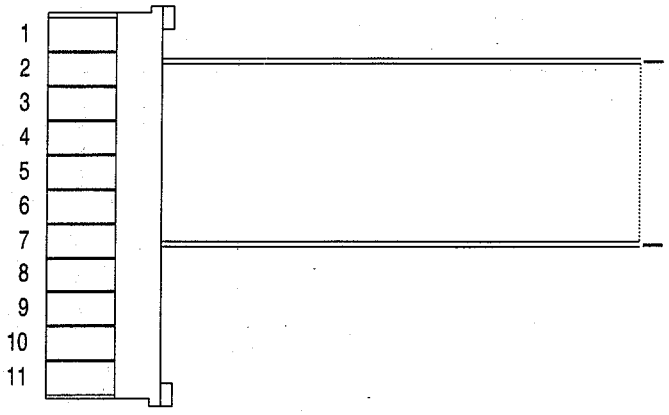
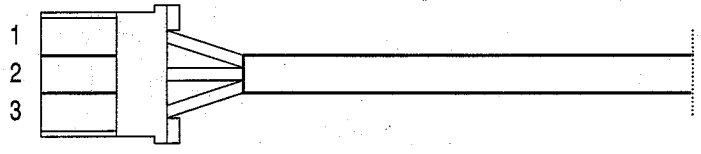
CONNECTIONS



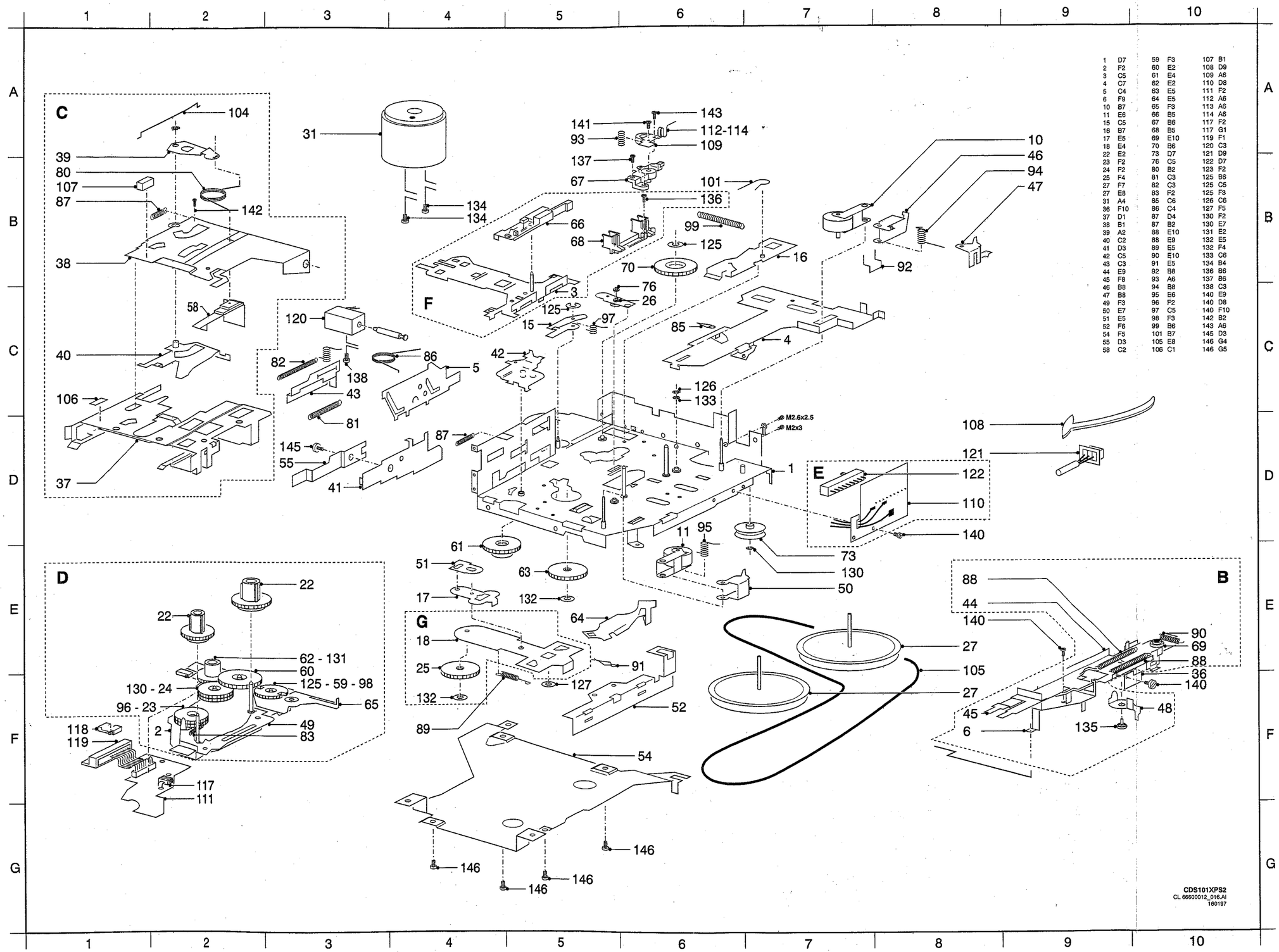
Pin no.	Wire colour	Signal
1	---	N.C.
2	Brown	Track switch
3	Red	GND
4	Orange	Play switch
5	Yellow	Play switch COM
6	Green	Motor +
7	Blue	Mute switch
8	Purple	Solenoid
9	Grey	Solenoid
10	---	N.C.
11	---	N.C.



Pin no.	Wire colour	Signal
1	Black	Common GND
2	White	Left
3	Pink	Right

PCS 91 016 GB

EXPLODED VIEW CDS-101XPS2



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15	C5	67	B6	117	F2
16	B7	68	B5	117	G1
17	E5	69	E10	119	F1
18	E4	70	B6	120	C3
22	E2	73	D7	121	D9
23	F2	76	C5	122	D7
24	F2	80	B2	123	F2
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27	F7	82	C3	125	C5
27	E8	83	F2	125	F3
31	A4	85	C6	126	C6
36	F10	86	C4	127	F5
37	D1	87	D4	130	F2
38	B1	87	B2	130	E7
39	A2	88	E10	131	E2
40	C2	88	E9	132	E5
41	D3	89	E5	132	F4
42	C5	90	E10	133	C6
43	C3	91	E5	134	B4
44	E9	92	B8	136	B6
45	F8	93	A6	137	B6
46	B8	94	B8	138	C3
47	B8	95	E6	140	E9
49	F3	96	F2	140	D8
50	E7	97	C5	140	F10
51	E5	98	F3	142	B2
52	F6	99	B6	143	A6
54	F5	101	B7	145	D3
55	D3	105	E8	146	G4
58	C2	106	C1	146	G5

PARTS LIST

Note: ONLY those position numbers mentioned here are service parts.

10	4822 528 81548	PINCH ROLLER FW
11	4822 528 81549	PINCH ROLLER REW
22	4822 528 10913	REEL ASSY
27	4822 528 60429	FLYWHEEL ASSY
31	4822 361 30456	MOTOR ASSY
61	4822 522 33539	REDUCTION GEAR (A)
63	4822 522 33541	IDLER GEAR (A)
70	4822 522 33542	LOAD GEAR
73	4822 528 81551	IDLER PULLEY (A)
86	4822 492 42756	RESET ARM SPRING (K)
89	4822 492 33485	POS. SETTER SPRING
93	4822 492 33486	ADJUSTER ARM SPRING
94	4822 492 42754	PINCH ROLLER SPG FW
95	4822 492 42755	PINCH ROLLER SPG REW
99	4822 492 33487	LOAD LEVER SPRING
101	4822 492 42757	LOAD LEVER SPRING (B)
105	4822 358 31326	BELT
109	4822 249 30219	HEAD
117	4822 276 13838	PUSH SWITCH
118	4822 276 13839	POWER SWITCH
119	4822 320 11821	11P-8P WIRE ASSY
120	4822 281 50188	SOLENOID
125	4822 530 80699	E-RING 1.5MM
126	4822 530 80701	E-RING 1.6MM
127	4822 532 12749	RET. RING 1.6X3.5
132	4822 530 70629	PLATE 2.1X4MM
133	4822 530 70628	PLATE 2.1X3.2MM
137	4822 502 21608	AZIMUTH SCREW
143	4822 502 21607	AZIMUTH SCREW (B)
	4822 691 10455	CDS-101XPS2 COMPLETE

ASSEMBLIES

B	4822 404 21342	LEVER BRACKET ASSY
C	4822 256 92307	CASSETTE HOLDER ASSY
D	4822 528 10916	REEL BASE ASSY
E	4822 214 52263	SWITCH PCB ASSY
F	4822 466 83197	HEAD PLATE ASSY
G	4822 404 21344	F/R ARM ASSY